

# **Texas Commission on Environmental Quality Drinking Water Advisory Work Group (DWA WG) Meeting**

**July 17, 2018**

## **Program Updates**

### **- Welcome**

**Gary Chauvin – Manager** - Drinking Water Standards Section

[Gary.Chauvin@tceq.texas.gov](mailto:Gary.Chauvin@tceq.texas.gov) (512) 239-1687

**Steven Swierenga – Special Assistant** – Drinking Water Standards

[Steven.swierenga@tceq.texas.gov](mailto:Steven.swierenga@tceq.texas.gov) (512) 239-6611

**Michele Risko – Manager** - Drinking Water Special Functions Section

[Michele.Risko@tceq.texas.gov](mailto:Michele.Risko@tceq.texas.gov) (512) 239-1689

**Sean Ables – Special Assistant** – Drinking Water Special Functions Section

[Sean.Ables@tceq.texas.gov](mailto:Sean.Ables@tceq.texas.gov) (512) 239-1758

## ***Permitting & Registration Support Division***

### ***Occupational Licensing Section***

**Deric Patton** – Team Leader

Occupational Licensing (OL) – [deric.patton@tceq.texas.gov](mailto:deric.patton@tceq.texas.gov) (512) 239-6396

**March 1, 2018 – May 31, 2018**

	New Applications Received	Renewal Applications Received	Total Applications Received	Tests Administered	Tests Passed	Percent Passed	New Licenses Issued	Renewal Licenses Issued	Total Current Licenses
Backflow Prevention Assembly Tester	150	429	579	227	111	48.9	97	386	5,800
<b>Grand Totals:</b>	<b>150</b>	<b>429</b>	<b>579</b>	<b>227</b>	<b>111</b>	<b>48.9</b>	<b>97</b>	<b>386</b>	<b>5,800</b>

	New Applications Received	Renewal Applications Received	Total Applications Received	Tests Administered	Tests Passed	Percent Passed	New Licenses Issued	Renewal Licenses Issued	Total Current Licenses
Customer Service Inspector	100	154	254	144	61	42.4	51	141	2,001
<b>Grand Totals:</b>	<b>100</b>	<b>154</b>	<b>254</b>	<b>144</b>	<b>61</b>	<b>42.4</b>	<b>51</b>	<b>141</b>	<b>2,001</b>

	New Applications Received	Renewal Applications Received	Total Applications Received	Tests Administered	Tests Passed	Percent Passed	New Licenses Issued	Renewal Licenses Issued	Total Current Licenses
Ground Water Treatment Operator - B	25	68	93	40	15	37.5	16	65	749
Ground Water Treatment Operator - C	137	242	379	214	68	31.6	72	230	3,283
Surface Water Treatment Operator - B	52	70	122	93	15	16.1	12	77	959
Surface Water Treatment Operator - C	60	108	168	108	61	56.5	60	115	1,951
Water Distribution Operator - B	39	43	82	86	21	24.4	22	41	574
Water Distribution Operator - C	124	285	409	222	91	41.0	87	276	3,485
Water Operator - A	43	104	147	37	21	56.8	25	100	1,123
Water Operator - D	459	212	671	668	289	43.3	285	206	4,339
<b>Grand Totals:</b>	<b>939</b>	<b>1,132</b>	<b>2,071</b>	<b>1,469</b>	<b>581</b>	<b>39.6</b>	<b>579</b>	<b>1,110</b>	<b>16,463</b>

**Office of Compliance and Enforcement**  
**Program Support Section**

**Kristi Mills-Jurach – Section Manager**

OCE Program Support Section – [Kristi.Mills-Jurach@tceq.texas.gov](mailto:Kristi.Mills-Jurach@tceq.texas.gov)  
(512) 239-1261

**Tom Heitman - PWS/Water Liaison**

OCE Program Support Section – [Tom.Heitman@tceq.texas.gov](mailto:Tom.Heitman@tceq.texas.gov)  
512-239-3257

- **Public Water System (PWS) Regional Activity**

Information below represents the number of PWS activities conducted by the OCE regional staff in FY17 (9/01/17 – 08/31/2018):

- 687 Complaint Investigations
- 180 Focused Investigations
- 51 Compliance Record Review Investigations
- 51 Follow-up Investigations
- 523 Recon Investigations
- 1,072 Comprehensive Compliance Investigations (CCIs)

***Environmental Assistance Division (EAD)***

***Small Business and Local Government Assistance***

**Anne Marie Callery –**

Small Business and Local Government Assistance (SBLGA) Section

[AnneMarie.Callery@tceq.texas.gov](mailto:AnneMarie.Callery@tceq.texas.gov) (512) 239-2342

Beginning in Feb. 2018 The Public Water Supply and Environmental Assistance Divisions partnered to present RTCR workshops. To date workshops have been held in Tyler, Beaumont, Ft. Worth, Frisco, Houston and Richmond/Rosenberg. July concludes our workshops with Corpus Christi and return trips to DFW and Tyler.

# ***Water Supply Division***

## ***Plan & Technical Review Section (PTR)***

### **Plan and Technical Review Section**

Joel Klumpp - Manager

[Joel.klumpp@tceq.texas.gov](mailto:Joel.klumpp@tceq.texas.gov)

(512) 239-4453

### **Plan Review Team**

Vera Poe - Team Leader

[Vera.poe@tceq.texas.gov](mailto:Vera.poe@tceq.texas.gov)

(512) 239-6988

### **Response and Capacity Development Team**

Kenneth Dykes – Team Leader

[Kenneth.dykes@tceq.texas.gov](mailto:Kenneth.dykes@tceq.texas.gov)

(512) 239-4753

### **Technical Review and Oversight Team**

Stephanie Escobar – Team Leader

[Stephanie.escobar@tceq.texas.gov](mailto:Stephanie.escobar@tceq.texas.gov)

(512) 239-2439

### ***Plan Review Team (PRT)***

Number of plans and specifications submittals processed by the Plan Review Team during March - May: 632

Interviews for the Engineer vacancy are complete. The team is hoping for an August 1 start date for the new member.

The Surface Water Treatment Plant (SWTP) Step 1 and Step 2 checklists have been posted. This implements a two-step process for SWTP improvements. Similar to the well and reverse osmosis process, Step 1 is for construction approval and Step 2 is for approval to use. You can download the forms here: <https://www.tceq.texas.gov/drinkingwater/udpubs.html>

### ***Technical Review and Oversight Team (TROT)***

Number of exception and Alternative Capacity Requirement requests processed by the Technical Review and Oversight Team during March – May: 279

Ms. Sylvana (Sam) Turner, a long-time member of TROT, will be retiring at the end of July. Ms. Turner has been with TROT since 2002 and we appreciate her service.

TROT has recently approved and posted a challenge study for Graver Technologies QCR™ II Series Filter Cartridges on April 18, 2018.

The Graver Technologies and all previously-approved challenge study letters are posted on the TCEQ website. You can find them here:

<https://www.tceq.texas.gov/drinkingwater/trot/membrane-challenge-studies>

### ***Response and Capacity Development Team (RCDT)***

Number of free on-site Financial, Managerial, and Technical (FMT) Assistance assignments made by the Response and Capacity Development Team during March – May: 345

#### **Capacity Development:**

- The next Texas Water Infrastructure Coordination Committee (TWICC) meeting will be on Wednesday, July 18<sup>th</sup> at the USDA offices in Temple. For questions, please contact Dorothy Young at (512) 239-6064 or Alex Latham at (512) 239-6908. TWICC member information, information about funding and other resource links are available at [www.twicc.org](http://www.twicc.org).
- TWICC will be holding a funding workshop on August 7, 2018 at the annual PDW conference in Austin.
- EPA has announced the deadline for applying for funding from the Water Infrastructure Finance and Innovation Act (WIFIA) has been extended to July 31, 2018. For more information please see: <https://www.epa.gov/wifia/wifia-resources#handbook>

#### **Texas Optimization Program (TOP):**

From March 2018 to May 2018:

- TOP staff have taken part in two public drinking water recognition programs.
- TOP staff and TOP Support contractors have participated in 15 Revised Total Coliform Rule (RTCR) Level 2 Assessments.
- TOP staff and TOP Support contractors have performed one Comprehensive Performance Evaluation.
- Additionally, TOP staff and TOP Support contractors have performed customized technical assistance activities at five PWSs throughout the state.

#### **Drought:**

- Approximately 28.24% of the state is in moderate drought, 15.10% of the state is in severe drought, 3.14% of the state is in extreme drought, and 0.64% is in exceptional drought
- Staff continue to monitor three systems, and have moved four systems from High Priority and Watch Lists to the Resolved List since January 2018.

#### **Assistance for At-Risk Public Water Systems:**

- Staff continue to monitor nine systems in receivership, seven systems under temporary management and nine systems designated as “Primary At Risk.”
- Staff were able to remove seven systems from the At-Risk List, since September 2017.

#### **Cross-Connection Control:**

- Program staff provided technical presentations to the:
  - Central Texas Environmental Health Association (CTEHA) Conference in San Marcos;

- The City of Port Arthur; and
- The Biennial Investigator Training in Tyler
- Work continues on conducting on-site Cross-Connection Control Program Surveys of water systems. Staff recently conducted nine surveys in the Tyler region.
- The TCEQ Cross-Connection Control Subcommittee conducted its quarterly meeting in June. It was well attended with very good participation from the members.
- The Cross-Connection Control Program continues to receive many requests for approval of alternate forms. These requests are evaluated in detail and approval or denial letters are issued.

## ***Drinking Water Standards Section***

**Gary Chauvin** - Manager

[Gary.C Chauvin@tceq.texas.gov](mailto:Gary.C Chauvin@tceq.texas.gov)

(512) 239-1687

**Steven Swierenga** – Special Assistant

[Steven.swierenga@tceq.texas.gov](mailto:Steven.swierenga@tceq.texas.gov)

(512) 239-6611

## ***Drinking Water Assessment Team***

**Team Leader – Jessica Hoch**

[jessica.hoch@tceq.texas.gov](mailto:jessica.hoch@tceq.texas.gov) (512) 239-2353

**Groundwater Rule (GWR) Program**

*(Matt Court, P.G., Ken Quinney)*

**Revised Total Coliform Rule (RTCR) Program**

*(Alex Hinz, Kasy Stinson, Lillian Johnson, Charlotte Pope, Jasmine Oliveira, Chelsea Brown, Christi Kirk)*

QAPP Addendum 4 is available on the RTCR Program and Public Water Supply Supervision (PWSS) webpages, as well as directly linked below.

- [https://www.tceq.texas.gov/assets/public/permitting/watersupply/pdw/qapp/PWSSP\\_QAPP\\_Addendum4\\_Rev1\\_RTCR\\_Labs.pdf](https://www.tceq.texas.gov/assets/public/permitting/watersupply/pdw/qapp/PWSSP_QAPP_Addendum4_Rev1_RTCR_Labs.pdf)
- <https://www.tceq.texas.gov/drinkingwater/microbial/revised-total-coliform-rule>
- <https://www.tceq.texas.gov/drinkingwater/pwss.html>

Proper bacteriological monitoring, including documentation of the monitoring, is critical for the protection of public health.

- The RTCR program is continuing an on-going data QA/QC project to ensure the adequacy and defensibility of data submitted for compliance with the RTCR. This includes reviews of documentation submitted with samples for compliance with QAPP requirements.
- Microbial Reporting Form (MRF) guidance can be found on the RTCR and PWSS webpages as well. Direct links are provided below.
  - PWS Guidance:
    - <https://www.tceq.texas.gov/assets/public/permitting/watersupply/pdw/tcr/Complete%20the%20Microbial%20Reporting%20Form.pdf>
  - Laboratory MRF Guidance:
    - <https://www.tceq.texas.gov/assets/public/permitting/watersupply/pdw/tcr/Laboratory%20Guidelines.pdf>

Contingency Planning for Repeat Sampling Events (over weekends and holidays)

### **Lead and Copper Rule Program**

*(Jason Williams, Seth Kramer, Foster Hooks, Colin Gearing, Thressa Webb)*

#### New LCR Compliance Officers

- Foster Hooks
- Colin Gearing

#### LCR Data Migration Staff

- Thressa Webb – WQP data
- Daniel Arnost – PbCu data

QAPP Addendums 2 & 3 are available on the LCR Program and PWSS webpages, as well as directly linked below.

- [https://www.tceq.texas.gov/assets/public/permitting/watersupply/pdw/qapp/PWSSP\\_QAPP\\_Addendum2\\_Rev1\\_LCR\\_Labs.pdf](https://www.tceq.texas.gov/assets/public/permitting/watersupply/pdw/qapp/PWSSP_QAPP_Addendum2_Rev1_LCR_Labs.pdf)
- [https://www.tceq.texas.gov/assets/public/permitting/watersupply/pdw/qapp/PWSSP\\_QAPP\\_Addendum3\\_Rev1\\_QWP\\_Labs.pdf](https://www.tceq.texas.gov/assets/public/permitting/watersupply/pdw/qapp/PWSSP_QAPP_Addendum3_Rev1_QWP_Labs.pdf)
- [https://www.tceq.texas.gov/drinkingwater/chemicals/lead\\_copper](https://www.tceq.texas.gov/drinkingwater/chemicals/lead_copper)

#### Water Quality Parameters (WQPs)

- Currently in the first quarter of the second six-month monitoring period of 2018 (6M2-2018). This monitoring period began July 1<sup>st</sup>, 2018.
  - Systems scheduled to collect WQPs are reminded to sample and are highly encouraged to sample early in the quarter.

#### Lead and Copper

- Reminder letters for RED-2018 lead and copper tap sampling were sent in April. If you have questions about when you are required to sample, please check the Texas Drinking Water Watch (DWW) website or give the LCR compliance officers a call.

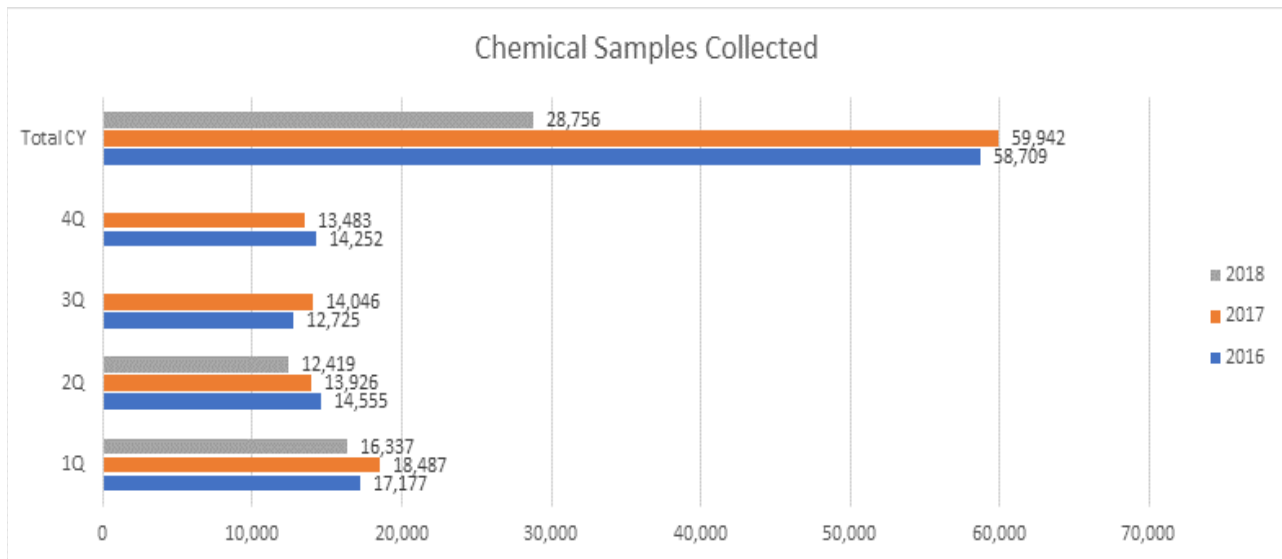
- **Systems scheduled to collect lead and copper tap samples during RED-2018 and 6M2-2018 are reminded to sample early and follow the summarized steps below.**
  1. **Review the approved sampling sites in your monitoring plan. If changes are needed, submit an updated Sample Site Selection and Materials Survey (Form 20467).**
  2. **Visit the TCEQ's Drinking Water Lead and Copper Program webpage for current forms and instructions.**
    - **Sample Site Selection and Materials Survey (Form 20467)**
    - **Homeowner Tap Sample Collection Procedures**
    - **Lead Consumer Notice (Form 20680)**
  3. **Contact a Drinking Water, TNI accredited laboratory to obtain sample bottles and for analyzing samples after collection.**
  4. **Follow-up with Texas DWW to make sure your data has been received and accepted by the TCEQ. Data is due no later than 10 days following the end of the monitoring period.**
    - **RED-2018 data due by September 10<sup>th</sup>, 2018.**
  5. **Complete the Lead Consumer Notice after receipt of results and deliver to customers and certify the delivery to the TCEQ.**
- **The TCEQ encourages public water systems to make information regarding the location of lead plumbing, fixtures, and/or pipes including lead service lines available to the public. Methods to make this material publicly available include posting maps or other locational information on your system's website, and adding the information into your Consumer Confidence Reports, Lead Consumer Notices, and Lead Public Education documents, as applicable. The TCEQ also encourages that the information be made available to your customers upon request.**



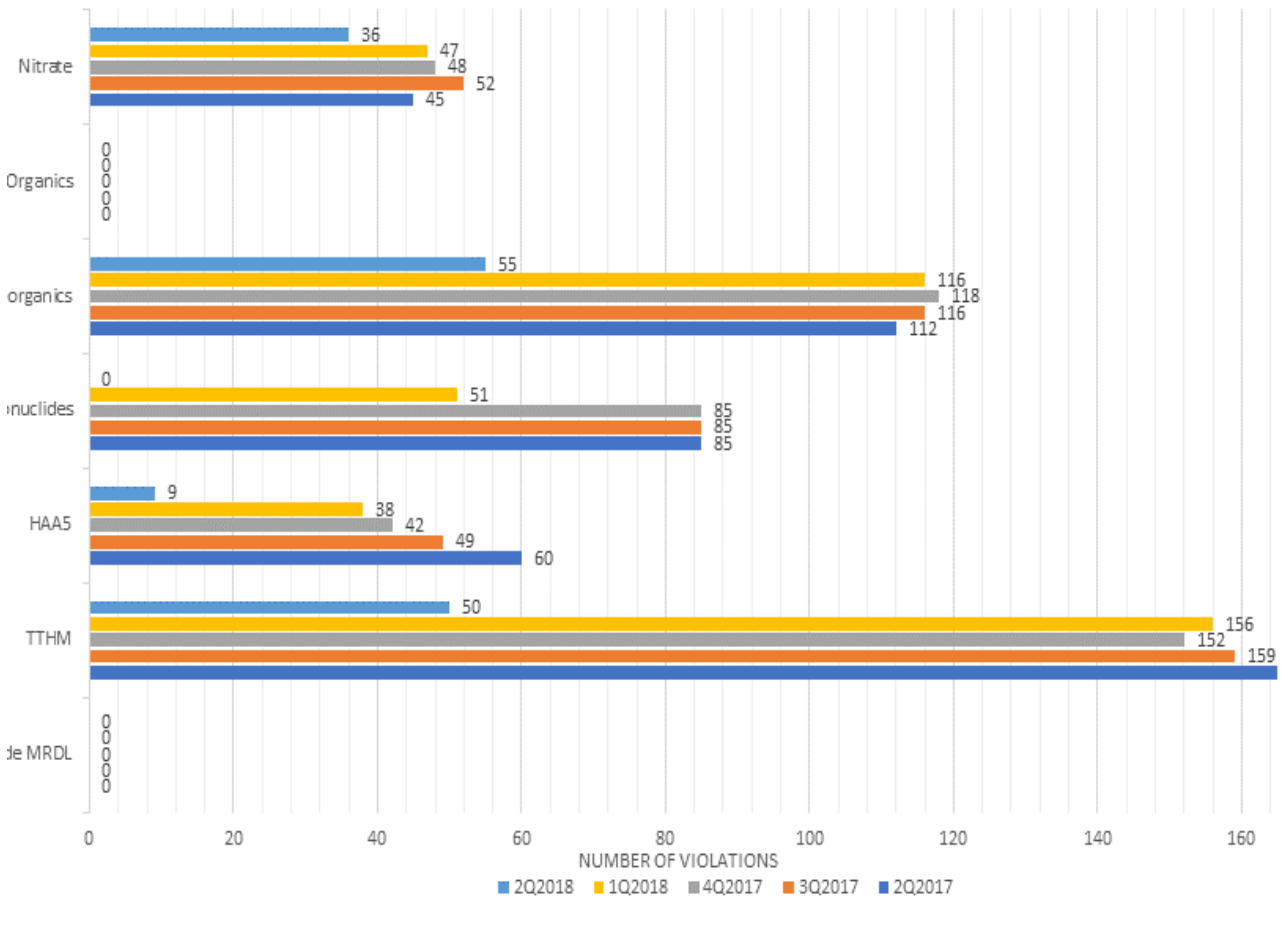
## Drinking Water Quality Team

**Team Leader – Brittney Wortham-Teakell**

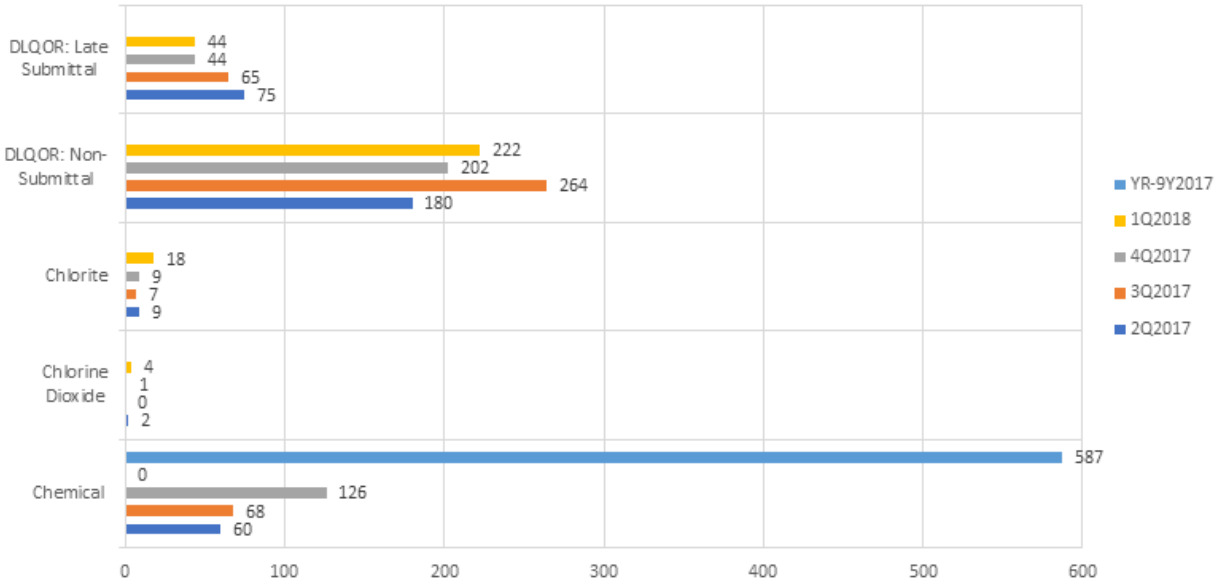
[Brittney.teakell@tceq.texas.gov](mailto:Brittney.teakell@tceq.texas.gov) (512) 239-4392



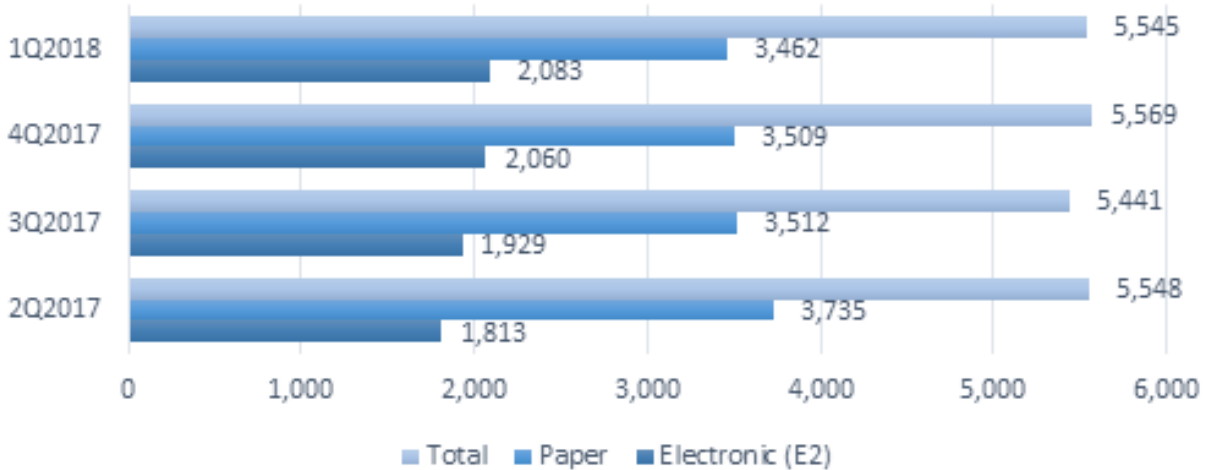
### Chemical Maximum Contaminant Levels (MCLs)



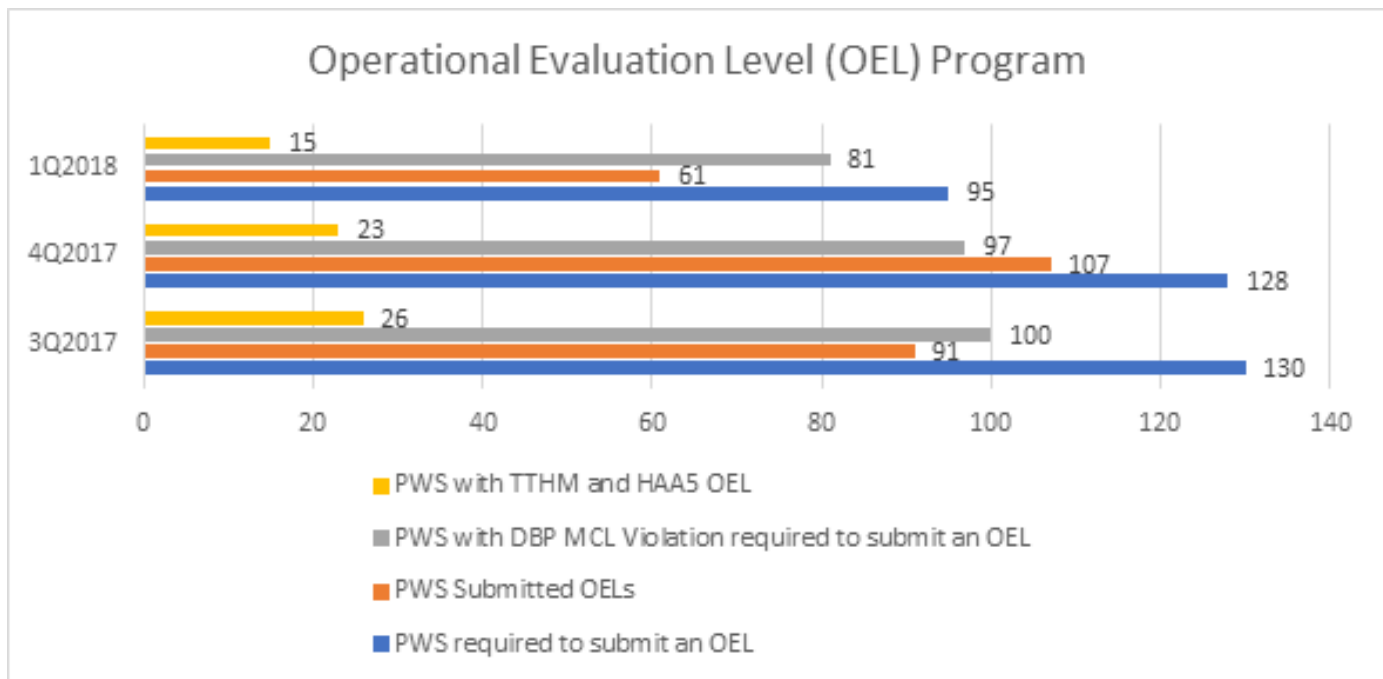
### Chemical Monitoring/Reporting Violations



### Disinfectant Residual Quarterly Operating Report Electronic vs. Paper Submissions



## Operational Evaluation Level (OEL)



## Surface Water Treatment Rule (SWTR)

	Low disinfectant residual entering the distribution system for more than 4 consecutive hours	More than 5% of the disinfectant residuals were below the minimum acceptable level for two consecutive months	Failure to provide treatment (LT2)	Combined Filter Effluent Turbidity exceeded 1.0 NTU	Exceed .30 NTU in more than 5% of the combined filter effluent	Low inactivation for more than 4 consecutive hours	Conventional filters turbidity level exceeds 5.0 NTU in the combined filter effluent
Sep-17	0	0	3	0	1	0	0
Oct-17	1	0	3	1	1	2	0
Nov-17	0	1	3	0	1	0	1
Dec-17	0	1	3	0	0	2	0
Jan-18	1	0	3	1	4	2	1
Feb-18	1	1	3	0	1	1	1
Mar-18	0	0	7	0	5	2	1
Apr-18	0	0	7	1	1	1	1
May-18	0	0	0	0	0	0	0
Jun-18	❖	❖	❖	❖	❖	❖	❖
Jul-18	❖	❖	❖	❖	❖	❖	❖
Aug-18	❖	❖	❖	❖	❖	❖	❖
<b>Total CY 2018</b>	<b>2</b>	<b>1</b>	<b>20</b>	<b>2</b>	<b>11</b>	<b>6</b>	<b>4</b>

## Surface Water Treatment Rule (SWTR) M/R Violations

Plants monitor daily and report on the Monthly Operating Report

	SWMOR Failure to Submit	SWMOR Late Submittal	SWMOR 0999/0100	<b>Total SWMOR</b>	<i>Systems issued</i>	<i>Total TOCMOR</i>
	<b>M/R Violations</b>					
January	10	2	1	<b>9</b>	7	10
February	7	0	1	<b>4</b>	4	4
March	8	2	3	<b>18</b>	12	4
April	14	1	2	<b>4</b>	4	0
May	0	0	0	<b>4</b>	4	0
June	0	0	2	<b>0</b>	0	0
July	0	0	0	<b>0</b>	0	0
August	0	0	1	<b>0</b>	0	0
September	0	2	1	<b>0</b>	0	0
October	0	1	4	<b>0</b>	0	0
November	0	4	0	<b>0</b>	0	0
December	0	0	1	<b>0</b>	0	0
<b>Total CY 2017</b>	<b>39</b>	<b>5</b>	<b>7</b>	<b>39 violations</b>	<b>31 Systems</b>	<b>18 violations</b>

## ***Drinking Water Special Functions Section***

**Michele Risko** - Manager

Drinking Water Special Functions Section – [Michele.Risko@tceq.texas.gov](mailto:Michele.Risko@tceq.texas.gov)

(512) 239-1689

**Sean Ables** – Special Assistant

[Sean.Ables@tceq.texas.gov](mailto:Sean.Ables@tceq.texas.gov) (512) 239-1758

### ***Drinking Water Technical Review Team (DWTRT)***

**Jonathan Haynes** – Team Leader

Drinking Technical Review Team – [Jonathan.Haynes@tceq.texas.gov](mailto:Jonathan.Haynes@tceq.texas.gov)

(512) 239-4662

### **Public Information Requests (PIRs)**

*(Kent Steelman and Data Support Group)*

- PDW Section Responses to Public Information Requests Completed – **29**
- PDW stated it had no responsive documents – **9**
- PDW provided individual response and/or data package – **9**

### **Data Support**

*(James Stapel, Kent Steelman, Rylan Fields, Ben Wesley)*

- Completed work with IRD to develop a migration tool to import deficiency data into SDWIS
- Continued work on NOV letter generation
- Federal Reporting of Compliance Data to EPA
- Texas submitted **458,295** records to EPA for review
  - These data include information on public water system facilities, compliance samples, and violations and enforcement actions
  - TCEQ has a current error rate of **0.068%**

### **Environmental Electronic (E2) Reporting**

*(Lee Apostolo, Dan Arnost)*

- April-June 2018 records submitted **144,529**
- 80 labs are reporting through E2

### **Enforcement**

*(Sally Paramo, Emma Jones, CarMello Manning, Emily Young, Caleb Ingle)*

- Notes for 1st Quarter 2018
  - 57 Enforcement cases
  - 2 Data maintenance case

- Notes for 2<sup>nd</sup> Quarter 2018
  - 92 Enforcement cases
  - 2 Data maintenance cases
- Pre-Enforcement Coordinator Efforts
  - Number of systems for outreach – **95**
  - Number of systems reaching complete compliance, 0 points on ETT – **24**
  - Number of systems 5-8 points on ETT - **17**

**Consumer Confidence Report (CCR)**

(Kent Steelman)

- Reviewing CCRs submitted for completeness.

***Drinking Water Inventory and Protection Team (DWIP)***

**Patrick Kading** – Team Leader

[Patrick.kading@tceq.texas.gov](mailto:Patrick.kading@tceq.texas.gov) (512) 239-4670

Leticia DeLeon – Technical Assistant

[Leticia.DeLeon@tceq.texas.gov](mailto:Leticia.DeLeon@tceq.texas.gov) (512) 239-4978

**Boil Water Notices**

(Mike Howell and Brynton Johnson)

In Q2 2018, the DWIP team received notification of 428 issued Boil Water Notices and 377 Boil Water Notices rescinded.

**Public Notice**

(Mike Howell and Kristi Krieg)

**Public Notices Submitted (Data Entry):**

April 2018: 637  
 May 2018: 480  
 June 2018: 347  
 Q2, 2018 Total: 1,464

**Public Notice Violations:**

April 2018: 189  
 May 2018: 131  
 June 2018: 123  
 Q2, 2017 Total: 443

**Public Health Service Fees**

(Teri Cisneros)

**FY 2018**

Total invoices: 6,962

Amount invoiced: \$24,283,466

Date invoices mailed: 11/01/2017 (dated 11/30/2017)

Due date: 01/01/2018

As of 6/5/2018 **99.79% collected**

**Regulatory Assessment Fees**

(Teri Cisneros)

**CY 2017:** 2,293 letters mailed out December 15, 2017.

As of 6/5/2018 **93% collected**

**Inventory Team Information:**

(Carmen Cardenas, Kyle Gaenzle, Julian Hollier, Jetton Fontenot, Kim Wohlgemuth, Hannah Evans, Brynton Johnson, Nicole Frisbie, Chris Frazier, Sarah Kates)

In Q2 2018, DWIP Inventory Team received 1,856 requests and processed 1,539 requests.

**Ground Water Source Inventory / Ground Water Under the Influence (GUI)**

(Betsy Yockey)

During the first half of 2018, eight groundwater sources were determined to be GUI.

**Emergency Preparedness Plan (EPP)**

(Leticia DeLeon)

46 EPP letters as of April -June 26, 2018. Will be more by end of the month this includes all types from EPP waiver enquiries, EPP approvals, and EPP affected utility notifications for new water systems.

**Homeland Security**

(Leticia DeLeon)

For April-June 2018, 19 Emergency Contact update forms have been processed. We will be providing about 700-750 forms total during the PDW Conference, one form per attendee.

**Source Water Assessment & Protection (SWAP) / Source Water Protection (SWP)**

(Mason T. Miller)

- TCEQ DWIP Team manages the SWP contract and assists public water systems with completing and updating SWP plans.
- TCEQ SWP contract was awarded to CDM Smith in February 2018.
- During FY18 CDM Smith and subcontractors will complete source water protection plans for 32 water systems in five counties.
- TCEQ DWIP Team assists Texas Rural Water Association as they work with public water systems updating SWP plans and implementing best management practices throughout the state.
- TCEQ DWIP Team assists with: Level 2 Assessments, Texas Optimization Program (TOP) and TOP – Recognition Program.
- TOP – Recognition Program Update:

- Water Treatment Plants that received certificates during March, April and May were: Benbrook Water Authority, City of Dallas – Bachman, City of Dallas – Elm Fork, City of Gainesville, City of Greenville, Guadalupe River State Park and GBRA – San Marcos.
- 19 surface water treatment plants participating in Recognition Program, currently four have met all the requirements continuously for 5 to 10 years and one more for 15 years.
- Milestones reached during this quarter were: City of Dallas – Elm Fork five years, City of Greenville eight years.
- Welcome City of Denton – Lake Lewisville WTP, City of Denton – Lake Ray Roberts WTP and City of Victoria WTP.
- For more information on the TOP Recognition Program please contact Mason Miller at [mason.miller@tceq.texas.gov](mailto:mason.miller@tceq.texas.gov)
- TCEQ DWIP Team staff continue to serve as the TCEQ GPS Coordinators and Trainers for TCEQ's staff and contractors.
- TCEQ DWIP Team staff coordinate the annual TCEQ Public Drinking Water Conference scheduled for August 7-8, 2018 in Austin.

**Next DWA WG Meeting: October 23, 2018**