

# 10 THINGS WE WANT EVERYONE TO KNOW!

By your Compliance Assistance Coordinators 😊

Presented by Matithia Eiland

# Commonly Used Acronyms

- **PWS** – Public Water System
- 
- **GW** – Ground Water
  - **SW** – Surface Water
- 
- **CWS** - Community Water System
  - **NTNCWS** - Non-Transient, Non-Community
  - **NCWS** - Transient Non-Community
- 
- **MCL** – Maximum Contaminant Level
  - **ALE** – Action Level Exceedance
  - **OELs** – Operational Evaluation Level(s)
- 
- **EPDS** – Entry Point to the Distribution System
  - **DS** – Distribution System
  - **MAP** – Monitoring Assistance Program
  - **CMDP** – Compliance Monitoring Data Portal



# 1.

Systems are responsible for complying with  
**ALL SAFE DRINKING  
WATER ACT RULES...**

- Knowing the drinking water rules and which ones apply to your system\*
  - DW rules may differ if you're a SW or GW system, by type (CWS, NTNCWS, NCWS), or population
- Knowing when an MCL/ALE/Trigger Exceedance **will require increased monitoring**
- Knowing when results **will Trigger Assessments/OELs/Public Notices**

\*Contact us for links to the Federal and State drinking water rules

ADEQ is here to regulate, help clarify any confusion, and assist systems with achieving compliance but the ***System*** is still eligible to get monitoring & reporting deficiencies for not complying with the Safe Drinking Water Act

# 2.

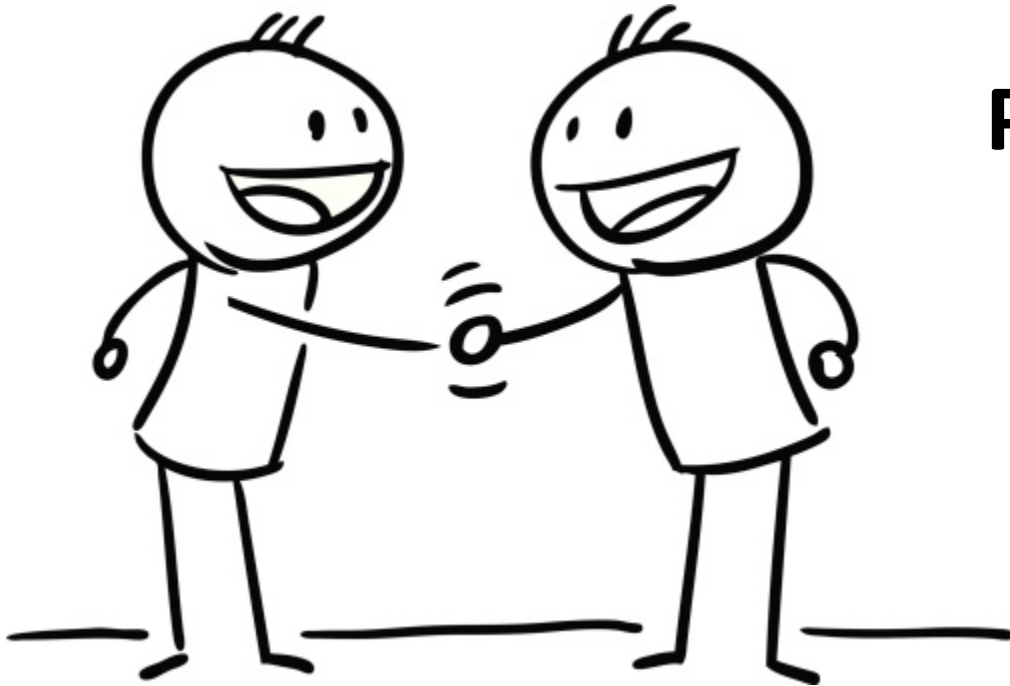


What to do when you are...

## **MAKING INVENTORY CHANGES**

Like (in)activating wells, treatment plants, entry points,  
owner, operator, administrative contact, etc.

# WHEN YOU ARE CHANGING AN OPERATOR, OWNER, ADMINISTRATIVE CONTACT, ETC...



## **PROVIDE US WITH:**

- CHANGE DATE
- NAME
- ADDRESS
- PHONE NUMBER
- EMAIL ADDRESS

## CHANGES FOR A WELL, TREATMENT PLANT, EPDS, STORAGE TANK

- Inactivation Date
  - Please send picture proof!
- OR Activation Date
- OUTS – Out of Service
  - When it was offline
  - When it (potentially) will come online

## CHANGES TO POPULATION OR SERVICE CONNECTION

- Date it happened
- How many full time residents, non-transient persons, and transient persons





# 3.

What to do when you have a...

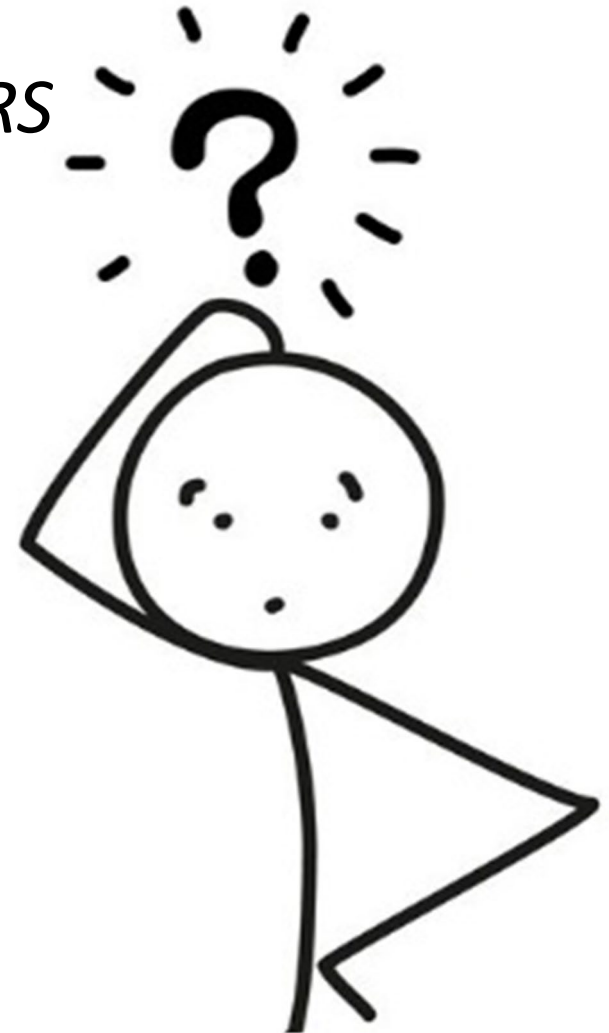
**TRIGGER OR MCL EXCEEDANCE**

1. TELL YOUR COUNTY COMPLIANCE ASSISTANCE COORDINATOR IMMEDIATELY *WITHIN 24 HOURS*

- Via phone call, email, voicemail

2. TAKE YOUR *REPEAT* OR *CONFIRMATION* SAMPLE

3. POST YOUR PUBLIC NOTICE  
(With approval from your CAC)



# 4.



What to do when you get a...

# E. COLI POSITIVE RESULT

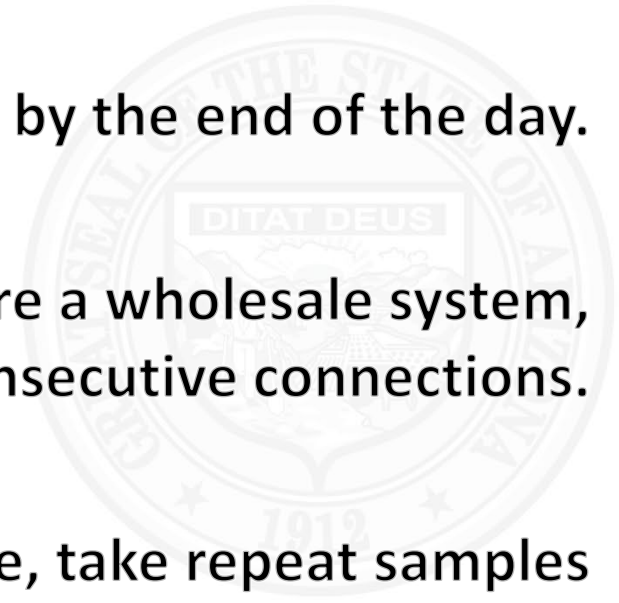
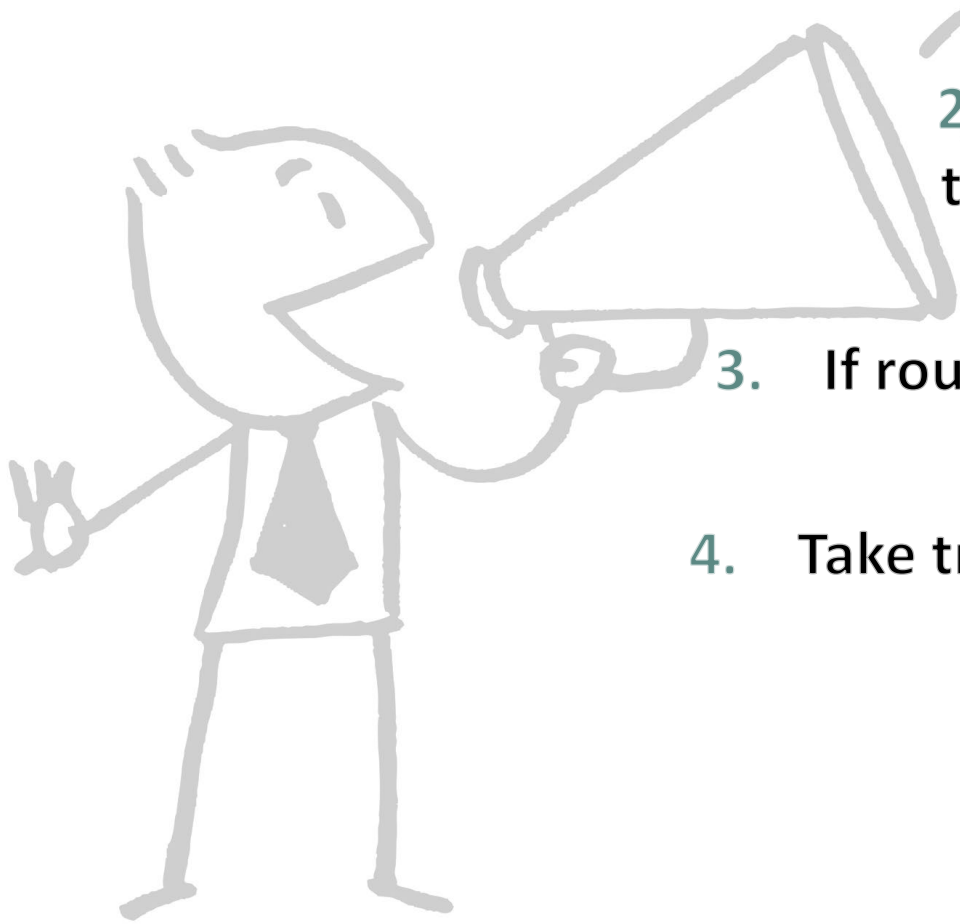
And what you should tell your Compliance Assistance Coordinator!

1. Tell your County CAC by the end of the day.

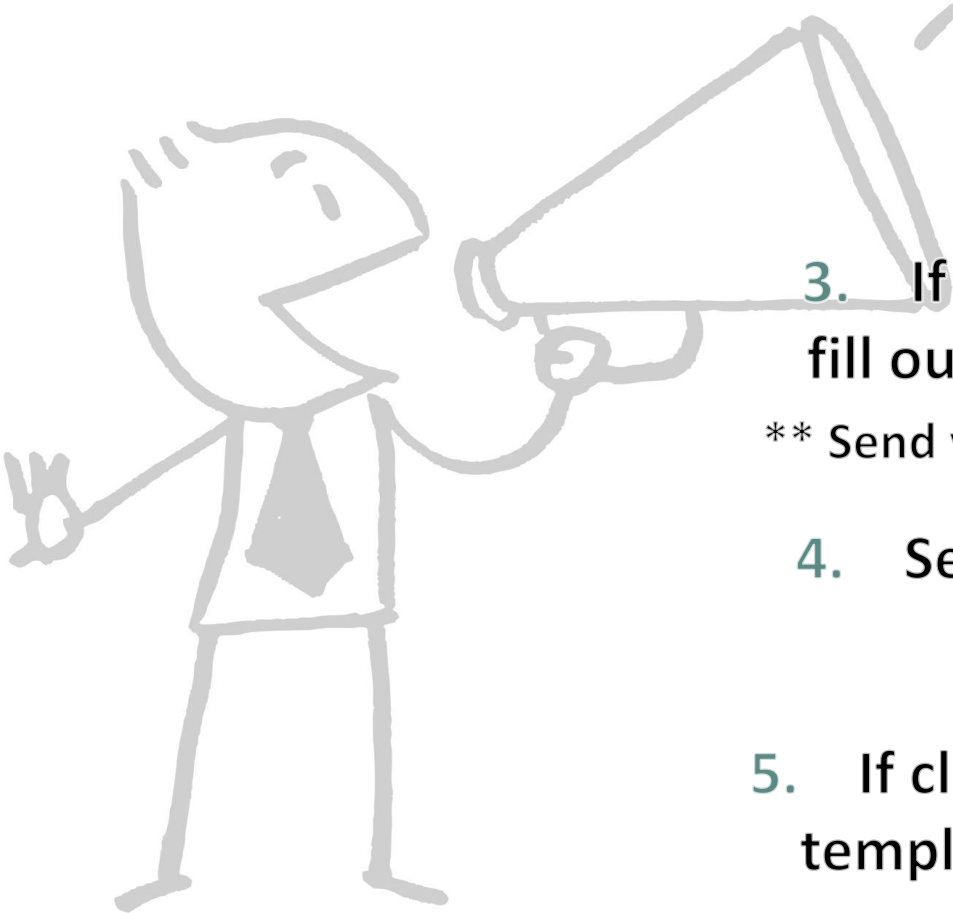
2. If you are a wholesale system, tell your consecutive connections.

3. If routine sample, take repeat samples

4. Take triggered source water monitoring sample if GW system (GWR)



**E. Coli+ result on a Routine RTCR sample**



1. Tell your County CAC by the end of the day.
2. If you are a wholesale system, tell your consecutive connections.
3. If a Boil Water Advisory is Triggered, fill out the Tier 1 Public Notice Template  
\*\* Send you CAC a copy so we can double-check it
4. Send Public Notice to all water users within 24 hours of EC+
5. If clean, then your CAC will send you a template that states your water is clean.

**E. Coli+ result triggering a Boil Water Advisory**

ISSUE PUBLIC NOTICE WITHIN 24 HOURS of  
notification *from the lab* of the E. Coli+ repeat  
result

Distribution Options:

Television/radio broadcast

Posting in a conspicuous location(s) within system

Hand delivery and/or

Other delivery method approved

by regulatory agency

E. Coli+ result triggering  
a Boil Water Advisory



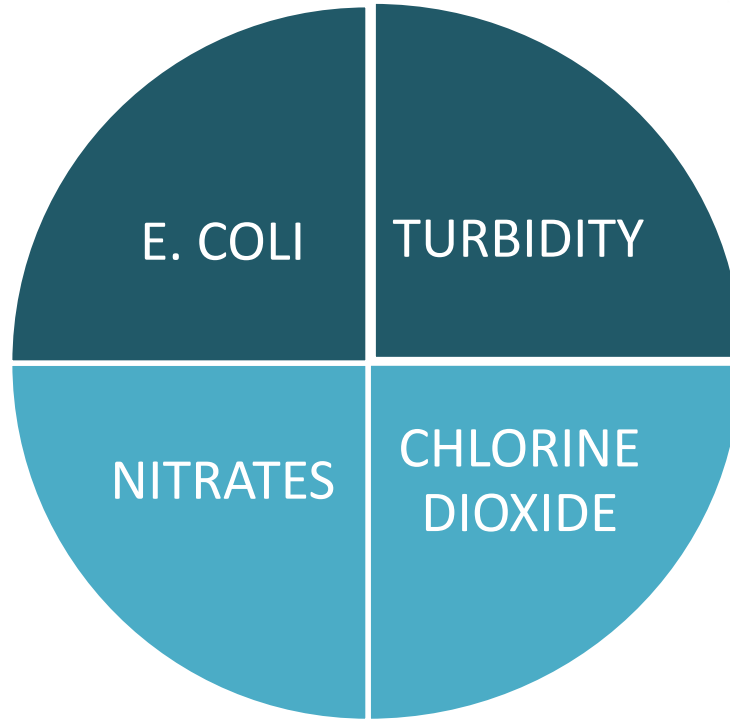
# 5.

What rules or situations require a...

## **TIER 1 PUBLIC NOTICE / BOIL WATER ADVISORY**

... And what to do when it happens.

# CONTAMINANTS THAT CAUSE A TIER 1 PUBLIC NOTICE







6.

Do you sample at the... **WELL, EPDS,  
DISTRIBUTION SYSTEM,  
OR TREATMENT PLANT?**

- FLUORIDE
- NITRATE
- NITRITE
- ASBESTOS
- INORGANIC CHEMICALS (IOC)
- VOLATILE ORGANIC CHEMICALS (VOC)
- SYNTHETIC ORGANIC CHEMICALS (SOC)
- RADIONUCLIDES
- CHLORINE DIOXIDE/CHLORITE/BROMATE

**PLEASE  
LABEL YOUR  
EPDS**

# IN THE DISTRIBUTION SYSTEM, YOU SAMPLE...

BACTERIOLOGICAL/TOTAL COLIFORM

LEAD AND COPPER

TTTHM/HAA5 (DBP2)

CHLORINE



***IF  
APPLICABLE:***

**TURBIDITY**

**TOTAL  
ORGANIC  
CARBON\***

**ALKALINITY**

\*For Conventional Filtration Only

# FIELD TESTS – WATER QUALITY PARAMETERS

pH

Temperature



7.

What does..

**MAP SAMPLE**

# PLEASE LABEL YOUR EPDS

MAP  
SAMPLES  
AT YOUR  
EPDS

- NITRATES
- NITRITES
- ASBESTOS
- IOCs
- SOCs
- VOCs
- RADIONUCLIDE CHEMICALS

- MAP DOES NOT SAMPLE YOUR INCREASED QUARTERLY SAMPLES
- MAP DOES NOT SAMPLE AT THE DISTRIBUTION SYSTEM, FIELD, OR TREATMENT PLANT LOCATIONS
- EVALUATE YOUR RESULTS
- MAP SENDS OWNER THE RESULTS. PLEASE SHARE RESULTS WITH OPERATOR(S)
  - If you do not receive results within 1 – 2 months, contact MAP Coordinator





# 8.

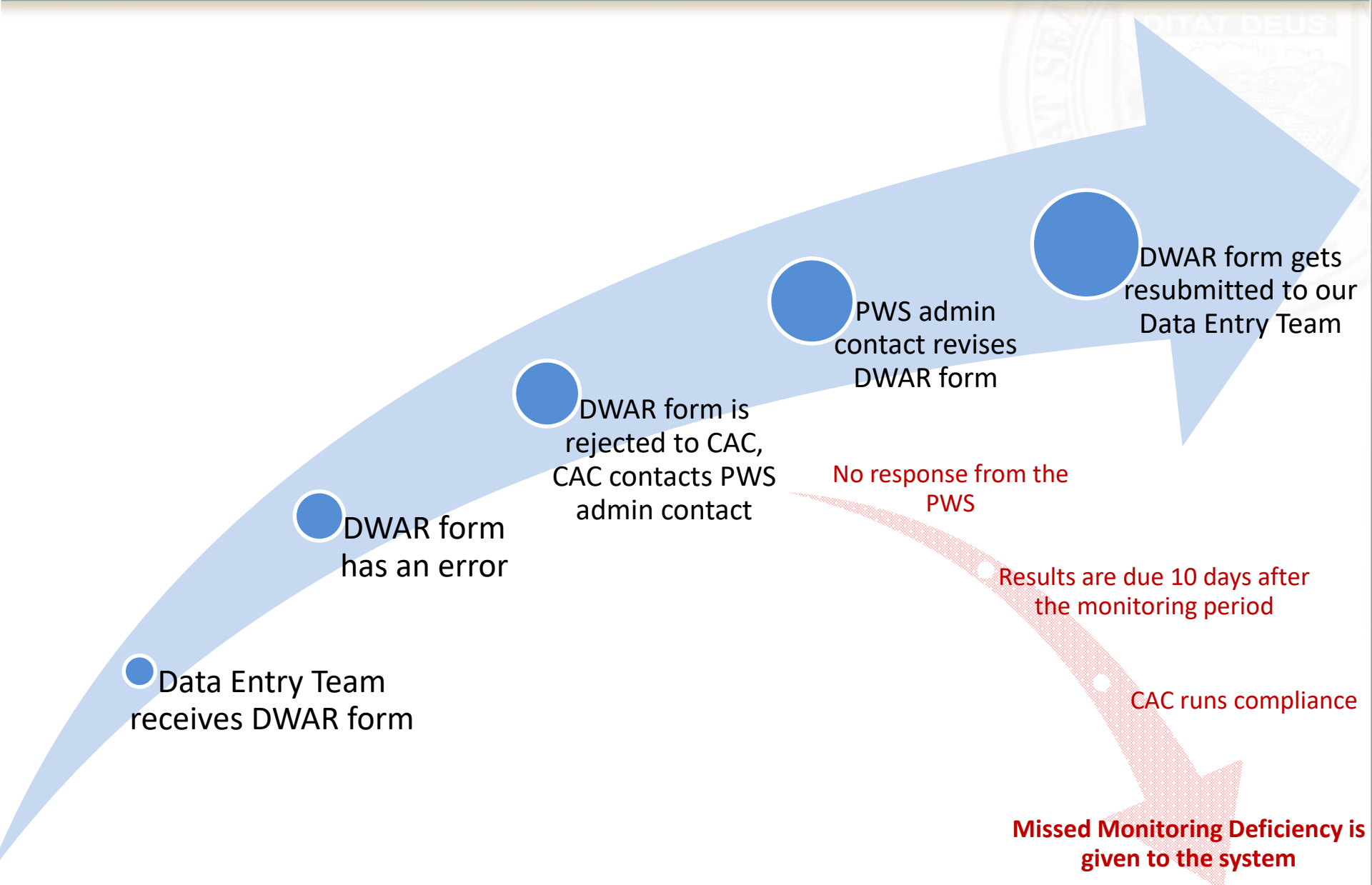
When to turn in your...

**DRINKING WATER ANALYSIS  
REPORTING FORM**

# Sample reporting forms must be **ACCURATE, COMPLETE, and submitted ON TIME**

- Data that does not meet one or more of these requirements may be rejected
- Rejections not corrected before due date = late reporting violation

# INTERNAL REJECTED DATA PROCESS



# WHEN TO TURN IN YOUR DWAR FORMS:

## IF MONTHLY SAMPLING

TURN IT IN BEFORE THE  
10<sup>TH</sup> OF THE FOLLOWING  
MONTH

I.E. RTCR AUGUST DATA IS DUE  
BY SEPTEMBER 10<sup>TH</sup>

## IF QUARTERLY SAMPLING

TURN THEM IN BEFORE THE 10<sup>TH</sup>  
OF THE MONTH AFTER THE  
MONITORING PERIOD ENDS

FIRST QUARTER *due by* APRIL 10

SECOND QUARTER *due by* JULY 10

THIRD QUARTER *due by* OCTOBER 10

FOURTH QUARTER *due by* JANUARY 10

# ASK YOUR LAB ABOUT CMDP

## ADEQ NO LONGER HAS FAX MACHINES

**LAB UPLOADS:** CMDP Participating Lab

**LAB FORWARDS:** Request that the lab send in the forms

## REMEMBER:

**IT IS THE SYSTEM'S RESPONSIBILITY  
TO GET THE DATA IN ON TIME,  
EVEN IF THE LAB SUBMITS IT LATE**

You can check to see if your lab has submitted results by accessing your system through **Drinking Water Watch:**

[http://azsdwis.azdeq.gov/DWW\\_EXT/](http://azsdwis.azdeq.gov/DWW_EXT/)

# HOW TO TURN IN YOUR DWAR FORMS:

**LAB SENDS IN:** CMDP Lab or Request lab sends DWARs

**BY EMAIL:** [WQD\\_Compliance\\_Data@azdeq.gov](mailto:WQD_Compliance_Data@azdeq.gov)

**BY MAIL:**

ADEQ, WQD Compliance Data

Mail Code 5415B-1

1110 W. Washington St.

Phoenix, AZ 85007

**ADEQ :**

1110 W. Washington St.

Phoenix, AZ 85007

**ADEQ NO LONGER HAS FAX MACHINES**



# 9.

How to

**FILL OUT A DWAR18A  
(MRDL) FORM**

\*\*\* PUBLIC WATER SYSTEM INFORMATION \*\*\*  
>>>> TO BE FILLED OUT BY SYSTEM PERSONNEL <<<<<

Report Date [ ] PWS ID Number [ ] PWS Name [ ]

THIS REPORT IS FOR (CHECK ONE): Qtr 1  Qtr 2  Qtr 3  Qtr 4  of Year [ ]

**A. NUMBER OF RDL SAMPLES COLLECTED DURING EACH OF THE PAST THREE MONTHS**

\* RDL must be measured at the same points and time as the RTCR samples are collected.

LAST MONTH 2 MONTHS AGO 3 MONTHS AGO

**B. MONTHLY AVERAGE OF ALL SAMPLES COLLECTED IN EACH MONTH FOR THE LAST 12 MONTHS**

\*\* During the first year of monitoring insert 'N/A' for months monitoring was not required.

LAST MONTH 2 MONTHS AGO 3 MONTHS AGO

4 MONTHS AGO 5 MONTHS AGO 6 MONTHS AGO 7 MONTHS AGO 8 MONTHS AGO 9 MONTHS AGO 10 MONTHS AGO 11 MONTHS AGO 12 MONTHS AGO

**C. RUNNING ANNUAL AVERAGE OF MONTHLY AVERAGES FOR THE PREVIOUS 12 MONTHS**

\*\*\* When calculating the annual average use monthly averages for only the last twelve months. If the system has not completed a full year of monitoring, the annual average is calculated by adding the individual monthly averages, and dividing by the number of months sampled.

D. DID THE ANNUAL AVERAGE IN C EXCEED THE MRDL OF 4.0 MG/L?  No

>>>> TO BE FILLED OUT BY SYSTEM PERSONNEL <<<<<

I hereby certify that the information provided in this report is accurate and correct to the best of my knowledge.

Comment [ ]  
Contact Person [ ] Authorized Signature [ ]  
Contact Email Address [ ] Contact Phone Number [ ]

All units must be reported in milligrams per liter (mg/L)

Submit completed form to:  
EMAIL: [WQD\\_Compliance\\_Data@azdeq.gov](mailto:WQD_Compliance_Data@azdeq.gov) -or- MAIL: ADEQ Water Quality Compliance Data Unit (MC 5415B-1),  
1110 W. Washington St., Phoenix, AZ 85007.  
For questions call: (802) 771-9200

- The number of samples taken during each month of the last quarter
- The average of all samples taken in each month for the last 12 months
- The average of the monthly averages for the last 12 months
- Whether the MRD was violated



# HOW TO FILL OUT FORM



DRINKING WATER ANALYSIS REPORTING FORM  
**CHLORINE 0999/CHLORAMINE 1006**  
 \*\*\* PWS using Chlorine or Chloramine as disinfection must sample within the Distribution System \*\*\*



DRINKING WATER ANALYSIS REPORTING FORM  
**CHLORINE 0999/CHLORAMINE 1006**  
 \*\*\* PWS using Chlorine or Chloramine as disinfection must sample within the Distribution System \*\*\*

\*\*\* PUBLIC WATER SYSTEM INFORMATION \*\*\*  
 >>>> TO BE FILLED OUT BY SYSTEM PERSONNEL <<<<<

Report Date [ 10-08-2018 ] PWS ID Number [ 54-321 ] PWS Name [ Phony Water Company ]

THIS REPORT IS FOR (CHECK ONE): Qtr 1  Qtr 2  Qtr 3  Qtr 4  of Year [ 2018 ]

**A. NUMBER OF RDL SAMPLES COLLECTED DURING EACH OF THE PAST THREE MONTHS**

\* RDL must be measured at the same points and time as the RTCR samples are collected.

1 LAST MONTH, 4 2 MONTHS AGO, 1 3 MONTHS AGO

**B. MONTHLY AVERAGE OF ALL SAMPLES COLLECTED IN EACH MONTH FOR THE LAST 12 MONTHS**

\*\* During the first year of monitoring insert 'N/A' for months monitoring was not required.

0.03 (4 MONTHS AGO), 0.8 (5 MONTHS AGO), 0.08 (6 MONTHS AGO), 0.05 (7 MONTHS AGO), 1.2 (8 MONTHS AGO), 0.08 (9 MONTHS AGO), 0.15 (10 MONTHS AGO), 0.7 (11 MONTHS AGO), 0.07 (12 MONTHS AGO)

**C. RUNNING ANNUAL AVERAGE OF MONTHLY AVERAGES FOR THE PREVIOUS 12 MONTHS**

\*\*\* When calculating the annual average use monthly averages for only the last twelve months. If the system has not completed a full year of monitoring, the annual average is calculated by adding the individual monthly averages, and dividing by the number of months sampled.

0.34

**D. DID THE ANNUAL AVERAGE IN C EXCEED THE MRDL OF 4.0 MG/L?**

Yes  No

>>>> TO BE FILLED OUT BY SYSTEM PERSONNEL <<<<<

I hereby certify that the information provided in this report is accurate and correct to the best of my knowledge.

Comment [ ]  
 Contact Person [ Tiffany Hua ] Authorized Signature [ ]  
 Contact Email Address [ hua.tiffany@azdeq.gov ] Contact Phone Number [ 602-771-4621 ]

All units must be reported in milligrams per liter (mg/L)

Submit completed form to: EMAIL: [WQD\\_Compliance\\_Data@azdeq.gov](mailto:WQD_Compliance_Data@azdeq.gov) -or- MAIL: ADEQ Water Quality Compliance Data Unit (MC 5415B-1), 1110 W. Washington St., Phoenix, AZ 85007. For questions call: (602) 771-9200

\*\*\* PUBLIC WATER SYSTEM INFORMATION \*\*\*  
 >>>> TO BE FILLED OUT BY SYSTEM PERSONNEL <<<<<

Report Date [ 12-28-2018 ] PWS ID Number [ 54-321 ] PWS Name [ Phony Water Company ]

THIS REPORT IS FOR (CHECK ONE): Qtr 1  Qtr 2  Qtr 3  Qtr 4  of Year [ 2018 ]

**A. NUMBER OF RDL SAMPLES COLLECTED DURING EACH OF THE PAST THREE MONTHS**

\* RDL must be measured at the same points and time as the RTCR samples are collected.

1 LAST MONTH, 1 2 MONTHS AGO, 1 3 MONTHS AGO

**B. MONTHLY AVERAGE OF ALL SAMPLES COLLECTED IN EACH MONTH FOR THE LAST 12 MONTHS**

\*\* During the first year of monitoring insert 'N/A' for months monitoring was not required.

0.05 (4 MONTHS AGO), 0.12 (5 MONTHS AGO), 0.08 (6 MONTHS AGO), 0.03 (7 MONTHS AGO), 0.8 (8 MONTHS AGO), 0.08 (9 MONTHS AGO), 0.85 (LAST MONTH), 0.6 (2 MONTHS AGO), 0.65 (3 MONTHS AGO), 0.05 (10 MONTHS AGO), 1.2 (11 MONTHS AGO), 0.08 (12 MONTHS AGO)

**C. RUNNING ANNUAL AVERAGE OF MONTHLY AVERAGES FOR THE PREVIOUS 12 MONTHS**

\*\*\* When calculating the annual average use monthly averages for only the last twelve months. If the system has not completed a full year of monitoring, the annual average is calculated by adding the individual monthly averages, and dividing by the number of months sampled.

0.38

**D. DID THE ANNUAL AVERAGE IN C EXCEED THE MRDL OF 4.0 MG/L?**

Yes  No

>>>> TO BE FILLED OUT BY SYSTEM PERSONNEL <<<<<

I hereby certify that the information provided in this report is accurate and correct to the best of my knowledge.

Comment [ ]  
 Contact Person [ Tiffany Hua ] Authorized Signature [ ]  
 Contact Email Address [ hua.tiffany@azdeq.gov ] Contact Phone Number [ 602-771-4621 ]

All units must be reported in milligrams per liter (mg/L)

Submit completed form to: EMAIL: [WQD\\_Compliance\\_Data@azdeq.gov](mailto:WQD_Compliance_Data@azdeq.gov) -or- MAIL: ADEQ Water Quality Compliance Data Unit (MC 5415B-1), 1110 W. Washington St., Phoenix, AZ 85007. For questions call: (602) 771-9200

All CWS and NTNC systems that add a chemical disinfectant to the water in any part of the drinking water treatment process must monitor and not exceed the Maximum Residual Disinfection Level (of 4.0 mg/L)

- Submit your reporting forms by 10 days after the quarter
  - January 10<sup>th</sup>, April 10<sup>th</sup>, July 10<sup>th</sup>, October 10<sup>th</sup>

# 10.

Reactivation... **WHAT DO I NEED  
TO DO TO REACTIVATE A  
WELL?**

If the Well(s) has been offline for:

- **Less than a year** = Total Coliform Sample
- **1 – 3 years** = Total Coliform, Nitrate & Nitrite Samples
- **3 – 5 years** = Total Coliform, IOCs (including Nitrate & Nitrite)
- **More than 5 years** = Entire New Source Approval

## Where do I take New Source samples for Reactivation?

- From the RAW water well tap

## Who do I send the results to?

- Well results and request for Reactivation should be sent to your Compliance Assistance Coordinator or Regulatory Agency

## What will the Monitoring schedules be?

- Less than 5 years = Resume prior schedules (if initials have been completed)
- More than 5 years = Routine monitoring for all (if initials have been completed)



**WHERE DO I FIND MORE  
INFORMATION??**



[AZDEQ.gov](http://AZDEQ.gov)



**MY QUESTIONS WEREN'T  
ANSWERED!!!**



# CAC CONTACT INFORMATION

County	Name	Phone	Email
Yavapai	Arron Hieatt	602-771-2302	<a href="mailto:Hieatt.Arron@azdeq.gov">Hieatt.Arron@azdeq.gov</a>
Graham Greenlee Yuma	Emily Baldrige	602-771-4596	<a href="mailto:Baldrige.Emily@azdeq.gov">Baldrige.Emily@azdeq.gov</a>
Pima Santa Cruz	Holli LaBrie	520-628-6742	<a href="mailto:Labrie.Holli@azdeq.gov">Labrie.Holli@azdeq.gov</a>
Coconino Navajo Pinal	Jane Kim	602-771-4609	<a href="mailto:Kim.Jane@azdeq.gov">Kim.Jane@azdeq.gov</a>
Apache Cochise Gila	Matithia Eiland	602-771-4572	<a href="mailto:Eiland.Matithia@azdeq.gov">Eiland.Matithia@azdeq.gov</a>
La Paz Mohave	Katherine Valentine	602-771-4699	<a href="mailto:Valentine.Katherine@azdeq.gov">Valentine.Katherine@azdeq.gov</a>
Maricopa	Tiffany Hua	602-771-4621	<a href="mailto:Hua.Tiffany@azdeq.gov">Hua.Tiffany@azdeq.gov</a>

**MAP Contact:** Carling Olson  
(602) 771-4518 | [Olson.Carling@azdeq.gov](mailto:Olson.Carling@azdeq.gov)