



# FOCUS ON CHANGE: SOUTH DISTRICT UPDATE

**Megan Jarabek**  
South District/Potable Water Program  
Florida Department of Environmental Protection

Punta Gorda, FL | March 25, 2024



# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## Presentation Agenda:

- Meet the Team.
- Compliance Cycles.
- Monitoring Charts.
- Synthetic Organics.  
Contaminant Waivers.





# MEET THE COMPLIANCE TEAM

## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



**Dessy Owiti**  
Environmental  
Manager

[Dessy.Owiti@FloridaDEP.gov](mailto:Dessy.Owiti@FloridaDEP.gov)



**George Ugartemendia**  
Environmental  
Consultant

[George.Ugartemendia@FloridaDEP.gov](mailto:George.Ugartemendia@FloridaDEP.gov)



**Megan Jarabek**  
Environmental  
Consultant

[Megan.Jarabek@FloridaDEP.gov](mailto:Megan.Jarabek@FloridaDEP.gov)



# MEET THE COMPLIANCE TEAM

## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



**Vanessa Kraft-Specht**  
Environmental  
Specialist III

[Vanessa.Kraft@FloridaDEP.gov](mailto:Vanessa.Kraft@FloridaDEP.gov)



**Yasmairy Segarra**  
Environmental  
Specialist II

[Yasmairy.Segarra@FloridaDEP.gov](mailto:Yasmairy.Segarra@FloridaDEP.gov)



**Megan Torres**  
Environmental Specialist I

[Megan.Torres@FloridaDEP.gov](mailto:Megan.Torres@FloridaDEP.gov)



# MEET THE COMPLIANCE TEAM

## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



**Colin Campbell**  
Environmental Specialist I

[Colin.Campbell@FloridaDEP.gov](mailto:Colin.Campbell@FloridaDEP.gov)



**Paola Rivera**  
OPS Environmental  
Specialist II

[Paola.Rivera@FloridaDEP.gov](mailto:Paola.Rivera@FloridaDEP.gov)



# MEET THE PERMITTING TEAM

## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION



**Nolin Moon, P.E.**  
Environmental  
Administrator

[Nolin.Moon@FloridaDEP.gov](mailto:Nolin.Moon@FloridaDEP.gov)



**Bill Robertson, P.E.**  
Professional Engineer II

[Bill.B.Robertson@floridadep.gov](mailto:Bill.B.Robertson@floridadep.gov)



**Brian Eastham II**  
Engineering Specialist  
III

[Brian.Eastham@FloridaDEP.gov](mailto:Brian.Eastham@FloridaDEP.gov)



# COMPLIANCE CYCLES

## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

### What is their purpose?

**Organization:** Simplifies monitoring frequencies for more than 65 chemicals. The goal of the SMF (Standardized Monitoring Framework) is to standardize, simplify, and consolidate drinking water monitoring requirements across contaminants. In order to do this, the Environmental Protection Agency (EPA) established nine-year fixed compliance cycles. Each nine-year compliance cycle is divided into three compliance periods of three years each. Compliance periods can be further subdivided into annual and quarterly periods.

**Lab Timeliness:** Having the sampling requirements spread out allows a consistent flow of sample to the lab. This also allows labs to reliably provide results in a timely manner.

**Historical Data:** Allows for historical data to be analyzed and determine future compliance requirements.





# FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## **System type (Community or Noncommunity) will determine the schedule for Standardized Monitoring.**

This typically only applies to systems that qualify for reduced monitoring for:

- Synthetic Organic Contaminants.
- Inorganic Contaminants.
- Volatile Organic Contaminants.
- Radiological Contaminants.
- Secondary Contaminants.
- Lead and Copper.
- Disinfection By-Products.

If your small community water system is sampling every three years, your sampling year is the same as other small community water systems.





# COMPLIANCE CYCLES

## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

Compliance Period			Compliance Period			Compliance Period		
1	2	3	4	5	6	7	8	9
1993	1994	1995	1996	1997	1998	1999	2000	2001

Compliance Period			Compliance Period			Compliance Period		
1	2	3	4	5	6	7	8	9
2002	2003	2004	2005	2006	2007	2008	2009	2010

Compliance Period			Compliance Period			Compliance Period		
1	2	3	4	5	6	7	8	9
2011	2012	2013	2014	2015	2016	2017	2018	2019

Compliance Period			Compliance Period			Compliance Period		
1	2	3	4	5	6	7	8	9
2020	2021	2022	2023	2024	2025	2026	2027	2028

For each compliance period:

1st year: Communities  $\geq$  3300 due

2nd year: Communities  $<$  3300 due

3rd year: NTNC due



# MONITORING SCHEDULES

FOCUS ON CHANGE SOUTH DISTRICT UPDATE



# MONITORING SCHEDULES

## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

### **South District Office Compliance Team sends out yearly monitoring schedules for all systems.**

- These schedules outline the expected requirements of sampling for the year for Public Water Systems and are completed as a courtesy from DEP to the regulated systems.
- The monitoring templates break down each contaminant sampling and the expected sampling time for each.
- These monitoring schedules allow consistent sampling expectations between the systems and DEP as long as there are no Monitoring or Maximum Contamination Level issues.



# SAMPLE MONITORING CHART

## FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

### PUBLIC WATER SYSTEM CONTAMINANT MONITORING GUIDANCE FOR CALENDAR YEAR 2024

SYSTEM NAME:

PWS ID #:

CONTAMINANTS FAC Rule No./Rule Reference	Not Required In 2024	Monthly in 2024	Quarterly In 2024	Semi-Annual (2 in 2024)	One Time in 2024
ASBESTOS (62-550.511)					
NITRATE AND NITRITE (62-550.512)					
INORGANIC CONTAMINANTS (62-550.513)					
TOTAL TRICHALOMETHANES & HALOACETIC ACIDS <i>40 CFR 141 Subpart V, Stage 2 Disinfectants and Disinfection Byproducts</i>					
VOLATILE ORGANIC CONTAMINANTS (62-550.515)					
SYNTHETIC ORGANIC CONTAMINANTS (62-550.516)					
RADIONUCLIDES <i>Gross Alpha, Uranium, Radium-226, Radium-228</i> (62-550.519)					
MICROBIOLOGICAL <i>Revised Total Coliform Rule</i> <i>40 CFR 141 Subpart Y</i>					
LEAD AND COPPER <i>40 CFR 141 Subpart I</i>					

### Break down:

The chart breaks down each contaminant and when samples are expected.

- If samples are not required that year.
- If samples are required:
  - Monthly.
  - Quarterly.
  - Semi-annually (Twice within the year).
  - One sample during the year.



# SYNTHETIC ORGANIC CONTAMINANTS WAIVERS

FOCUS ON CHANGE SOUTH DISTRICT UPDATE



# SYNTHETIC ORGANIC CONTAMINANTS AND LARGE COMMUNITY SYSTEMS

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

## Communities can qualify for waivers for Synthetic Organic Contaminants (SOC's)

- If the system has:
  - Historically reported non-detect for SOC's.
  - Is on triennial monitoring for SOC's.
    - Have completed their first set of required SOC's for the triennial monitoring period.
  - Nitrate/Nitrite results do not exceed 5mg/L.
  - Are in compliance with the most recent sanitary survey.
  - Do not have any regulated SOC's being used, manufactured, stored or spilled within 500 meters of the well head.

Large  
Community  
Systems  
>3,300 People





## State of Florida

### Reduced Monitoring Application Questionnaire For Synthetic Organic Contaminants

Date:

PWS Name:

PWS ID Number:

Florida Unique Well ID Number (FLUWID):

- 1) Has the public water system completed and complied with the provisions of a current, state sanctioned sanitary survey?    Yes     No

Date of last sanitary survey:

- 2) Have any previous monitoring results been above detection limits for any regulated Synthetic Organic Contaminant?    Yes     No   
(Attach copy of recent Synthetic Organic Contaminant results)

- 3) Do recent nitrate results exceed 5 milligrams per liter?  
Yes     No   
(Attach copy of most recent nitrate results)

- 4) Have any regulated Synthetic Organic Contaminants been used, manufactured, stored, or spilled within 500 meters (~1640 ft.) of your well head?  
Yes     No

If yes, attach an explanation of event and/or situation. Include a list of regulated Synthetic Organic Contaminants associated with each event or situation.



## (5) Reduced Monitoring Review Area Sketch

PWS ID:

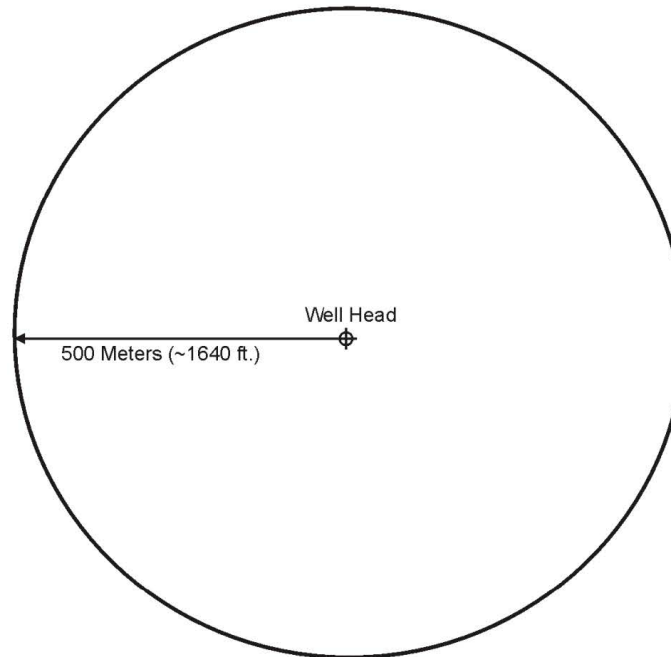
PWS Name:

Florida Unique Well ID (FLUWID):

Instructions: Identify, Sketch & Number Each Contaminant Source Then Complete The "Contaminant Use Inventory" Form (Section 6, Page 3)

Review Area Radius 500 Meters (~1640 ft.)

No Scale Required



Include all pertinent local, county, state and federal highways, roads or rail lines.





## (6) CONTAMINANT USE INVENTORY

For *each* source identified (sketched) in Section (5) of this questionnaire, indicate contaminant use, manufacture, storage or spillage by recording the *source number(s)* from Section (5) in the column titled “**SOURCE**” adjacent to the contaminant of concern. Separate multiple sources with commas.

### REGULATED SYNTHETIC ORGANIC CONTAMINANTS

CONTAMINANT	ID #	CAS #	SOURCE
-------------	------	-------	--------

2,3,7,8-TCDD (Dioxin)	2063	1746-01-6	
2,4_D	2105	94-75-7	
2,4,5-TP (Silvex)	2110	93-72-1	
Alachlor	2051	15972-60-8	
Atrazine	2050	1912-24-9	
Benzo(a)pyrene	2306	50-32-8	
Carbofuran	2046	1563-66-2	
Chlordane	2959	57-74-9	
Dalapon	2031	75-99-0	
Di(2-ethylhexyl)adipate	2035	103-23-1	
Di(2-ethylhexyl)phthalate	2039	117-81-7	
Dibromochloropropane (DBCP)	2931	96-12-8	
Dinoseb	2041	88-85-7	
Diquat	2032	85-00-7	
Endothall	2033	145-73-3	
Endrin	2005	72-20-8	
Ethylene dibromide (EDB)	2946	106-93-4	
Glyphosate	2034	1071-83-6	
Heptachlor	2065	76-44-8	
Heptachlor epoxide	2067	1024-57-3	
Hexachlorobenzene	2274	118-74-1	
Hexachlorocyclopentadiene	2042	77-47-4	
Lindane	2010	58-89-9	
Methoxychlor	2015	72-43-5	
Oxamyl (vydate)	2036	23135-22-0	
Pentachlorophenol	2326	87-86-5	
Picloram	2040	1918-02-1	
Polychlorinated biphenyl (PCB)	2383	1336-36-3	
Simazine	2037	122-34-9	
Toxaphene	2020	8001-35-2	

### TYPICAL SOURCES OF SYNTHETIC ORGANIC CONTAMINANTS (Not a comprehensive list)

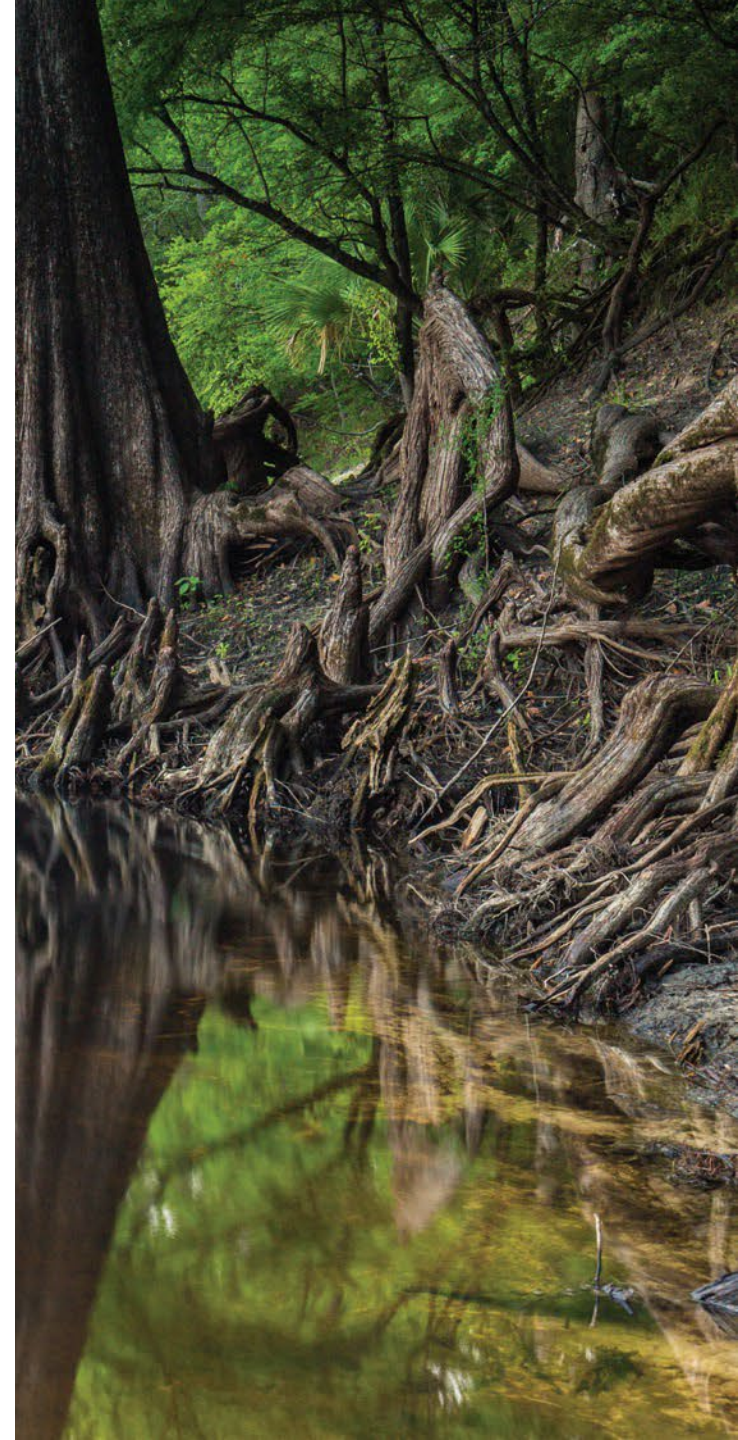
Commercial, agricultural or horticultural areas  
 Seed & feed sales and storage areas  
 Recreational areas (Golf courses, campgrounds, parks...)  
 Communication or Railroad storage and maintenance yards  
 Pesticide manufacturer, storage, spill or transport site  
 Super Fund site  
 Landfill or dump  
 Drainage wells  
 Wood preserving facility  
 Military base (Industrial area)  
 Chemical manufacturer, storage, spill or transport site  
 Petroleum distribution or bulk storage facilities.  
 Any industry using or generating PCBs  
 Gas Stations  
 Dry Cleaners

I certify that the information provided is true and accurate to the best of my knowledge.

Owners Signature: \_\_\_\_\_

Print Name: \_\_\_\_\_

Date: \_\_\_\_\_





# THANK YOU

**Megan Jarabek**

Environmental Consultant

Water Resource Management/Compliance Assurance Program  
Florida Department of Environmental Protection

Contact Information:

[Megan.Jarabek@FloridaDEP.gov](mailto:Megan.Jarabek@FloridaDEP.gov)

239-344-5642