



**Florida Department of Environmental Protection**

# **Drinking Water Update**

**Focus on Change  
2017**





# Drinking Water Update

## Overview

- News
- Rules Update
- Technical Assistance Providers
- Security and the State Warning Point
- Water Quality Compliance Rates
- Plant Operations Excellence Awards



# Department News

## **Ryan Matthews**

Deputy Secretary for Regulatory Programs

## **Justin Green**

Director of Water Resource Management

## **Jane Herndon**

Deputy Director – federally regulated programs

## **Alex Reed**

Deputy Director – beaches and wetlands

## **Joni Synatschk**

Program Administrator, Drinking Water and Aquifer Protection

## **David Wales**

Environmental Administrator, Drinking Water and Aquifer Protection



# Drinking Water Rules

## Public Notification Rule (PN)

- PN Rule is part of Safe Drinking Water Act; ensures consumers know if there is a problem with their drinking water
- Notifies customers if their water does not meet standards
- Notifies customers if their water system fails to test its water
- Notifies customers if their system is operating under a variance/exemption
- Notifies customers if their water system violates a treatment technique requirement



# Drinking Water Rules

## Public Notification Rule (PN)

### Rule amendments effective August 5, 2016:

- DEP adopted EPA's PN Rule revisions for the RTCR
- DEP revised PN Rule to include EPA's revised Appendix A to Subpart Q – handy look-up chart depicting each PN Tier situation
- DEP updated 62-560, FAC, to incorporate federal requirements for PN to new billing units/customers



# Drinking Water Rules

## Public Notification Rule (PN)

### Potential future revisions:

- DEP may delete/repeal present PN requirements in Chapter 62-560.400, .410, .430, and .440, F.A.C., and incorporate EPA's PN Rule by reference (with clarifications)
- Provides more flexibility to incorporate future EPA rules
- By incorporating the EPA PN rule by reference, Florida's PN requirements will be more consistent with EPA, which will reduce confusion
- Would allow Florida to use EPA's comprehensive PN Handbook



# Drinking Water Rules

## Radionuclides Rules

### Potential future revisions may:

- Clarify existing rules
- Remove provision where NTNCs could potentially cease monitoring permanently



# Drinking Water Rules

## Revised Total Coliform Rule (RTCR)

- Replaced TCR – **Effective April 1, 2016**
- Applies to **all** public water systems
- Acute MCL based on *E. coli* (fecal no longer a standard)
- Eliminates non-acute total coliform MCL, replaced with system assessments and corrective action treatment technique requirements





# Drinking Water Rules

## Revised Total Coliform Rule (RTCR)

- Requires systems to find & fix identified sanitary defects
- Failure to assess/correct = Treatment Technique (TT) violation
- Requires specific start-up procedures for “seasonal systems”
- Public Notification (PN)
  - Acute *E. coli* MCL violations
  - Monitoring and Reporting violations
  - TT violations (failure to find & fix)
    - TT violation PN - replaces PN for non-acute MCL under TCR



# Drinking Water Rules

## Lead and Copper Rule

- New DEP HQ Lead and Copper Website:

<http://www.dep.state.fl.us/water/drinkingwater/monitor-pbcu-dw.htm>

- Includes links to the following EPA LCR guidance documents:
  - Recommended Tap Sampling Procedures (Feb. 2016)
  - Optimal Corrosion Control Treatment Evaluation Technical Recommendations (March 2016)
  - Sample Site Selection and Triennial Monitoring (Oct. 2016)



# Drinking Water Rules

## Capacity Development Rule

- DEP HQ Capacity Development Website:  
<http://dep.state.fl.us/water/drinkingwater/capdev.htm>
- Seven Aids for New Public Water Systems
- DEP Capacity Development Demonstration Forms
- Capacity Development Aids for Existing Systems



# Drinking Water Rules

## **Unregulated Contaminant Monitoring Rule 4 (UCMR 4) Published in the CFR December 20, 2016, the Rule becomes effective January 19, 2017.**

- The UCMR 4 program provides EPA and other interested parties with nationally representative data on the occurrence of unregulated contaminants in drinking water, the number of people potentially being exposed, and an estimate of the levels of that exposure
- Criteria used to determine potential contaminant regulation:
  - Adverse effects on human health
  - Will regulation yield meaningful public health protection
  - Known/substantial likelihood of occurrence
  - Warranted by cost-benefit analysis



# Drinking Water Rules

## UCMR 4

- UCMR 4 monitoring begins March 2018
- 30 Emerging Contaminants
- 10 Cyanotoxin Chemicals (Surface Water Systems)
- 2 Metals
- 9 Pesticides
- 3 Brominated Haloacetic Acid (HAA) Groups
- 3 Alcohols
- 3 Semi-volatile Chemicals



# Technical Assistance Providers

## Florida Rural Water Association

- Water sources – protection, capacity, design, water quality, etc.
- Water treatment – plant design, capacity, troubleshooting, etc.
- Pumps – capacity, maintenance, application types, etc.
- Storage – mixing, design, security, inspection, application types, etc.
- Distribution – maps, water loss, valves, flushing, etc.
- Sampling – plans, recordkeeping/reviews, SOPs, PBWNs, etc.
- O&M – manuals, CCRs, PNs, staffing, asset management, inventories, etc.
- Financial – funding sources, rates, capital improvement, budgeting, etc.
- Contact: Ben Lewis [BenLewis@frwa.net](mailto:BenLewis@frwa.net)

## Southeast Rural Community Assistance Program

- Technical, managerial, financial work plans
- Manager/operator training with CEUs
- Assists compliance-challenged, small water systems
- Contact: Joan Douglas [JDouglas@sercap.org](mailto:JDouglas@sercap.org)



# Technical Assistance Providers

## Environmental Finance Center Network (EFCN)

- Workshops, one-on-one technical assistance, small group sessions, funder forums, webinars, e-learning modules, water rates dashboard
- Water loss, energy management, regulatory compliance, fiscal planning/rate setting, funding coordination, managerial/financial leadership, water system collaboration
- Contact: Glenn Barnes [Glennbarnes@sog.unc.edu](mailto:Glennbarnes@sog.unc.edu)

## DEP Coordination with Technical Assistance Providers (TAPs)

- DEP provides lists of potential candidate systems for assistance
- DEP reviews tasks and activities performed by providers
- DEP prints newsletter articles from the TAPs as an outreach effort to water systems
- DEP participates where practical with TAPs (e.g., Focus on Change Seminars)



# Security/State Warning Point (SWP)

- Seventy Drinking Water Incidents were reported to the State Warning Point by 37 of Florida's 67 counties in 2016.
- 69 of the 70 incidents were categorized as "Local" and one incident categorized as "Routine" by the SWP
- 20 counties reported only one incident
- 10 counties reported two incidents each
- 3 counties reported three incident each
- Hillsborough reported 4 incidents
- Palm Beach and Orange reported 5 incidents each
- Broward tops the list of those reporting with 7 incidents reported in 2016





# MCL Compliance Rates

## MCL Violations by District (October 2015 - September 2016)

District #CWS	NWD (174)	NED (204)	CD (485)	SED (148)	SD (112)	SWD (510)	Total 1,633
DBPs	2	8	18	6	5	1	40
Bactis	2	4	4	3	0	3	16
Nitrates	0	0	0	0	0	0	0
Chems*	2	1	2	1	3	3	12
<b>TOTAL</b>	<b>6</b>	<b>13</b>	<b>24</b>	<b>10</b>	<b>8</b>	<b>7</b>	<b>68</b>

\*Radionuclide, Inorganic, SOC, and VOC violations





# MCL Compliance Rates

<u>DEP District</u>	<u>#CWSs</u>	<u>Compliance</u>
1.Northwest	168/174	96.6 %
2.Northeast	191/204	93.6%
3.Central	461/485	95.1%
4.Southeast	138/148	93.2 %
5. South	104/112	92.9%
6.Southwest	503/510	98.6 %
<b>TOTALS</b>		<b>95.0%</b>

**2015 Average MCL Compliance Rate was = 90.7%**



# 2016 Plant Excellence Awards

NWD	Naval Air Station Whiting Field
NWD	Destin Water Users
NWD	Bay County Water System
CD	Clermont East Water Treatment Plant
CD	City of Winter Park Swoope Water Plant
SED	Town of Jupiter Utilities
SD	The Island Water Association
SD	City of Cape Coral North RO Plant
SWD	Dunedin
SWD	Tampa Bay Water Surface Water Treatment Plant



# Questions?

