



Chapters 62-600, 604, and 620, F.A.C. Public Workshop

**Division of Water Resource Management
November 19, 2020**



Agenda

- **Welcome and Introductions**
- **Background on Collection System Rulemaking and Senate Bill 712 (SB 712)**
- **Overview of Draft Amendments:**
 - **Chapter 62-604, Florida Administrative Code (F.A.C.)**
 - **Chapter 62-600, F.A.C.**
 - **Chapter 62-620, F.A.C.**
- **Public Comment**
- **Closing Remarks**



Collection Systems: SB 712

Legislative provisions:

- **Section 403.061(7), Florida Statutes (F.S.) – Added “The department shall adopt rules to reasonably limit, reduce, and eliminate domestic wastewater collection and transmission system pipe leakages and inflow and infiltration.”**
- **Section 403.061(14), F.S. – Added requirement for public utilities applying for a domestic wastewater discharge permit to file annual reports and other data on transactions and expenditures on pollution mitigation and prevention across the utility’s permitted systems including the prevention of sanitary sewer overflows, collection and transmission system pipe leakages, and inflow and infiltration (also requires the department to adopt rules to implement the requirement)**



Collection Systems: SB 712 – 2

- **Section 403.088(2)(c)3., F.S. – Permits shall require a deliberate, proactive approach to investigating a significant percentage of the collection system during the duration of the permit; the permittee shall submit an annual report detailing facility revenues and expenditures and details of any deviations of annual expenditures from identified system needs...**
- **Section 403.087(4), F.S. – Domestic wastewater treatment facility permits (non-NPDES) shall be issued for a term up to 10 years if the facility is meeting the stated goals in its action plan**



Collection Systems: SB 712 – 3

- **Section 403.086(2), F.S. – Added a requirement that all sewage disposal facilities provide a power outage contingency plan that mitigates the impacts of power outages on the utility’s collection system and pump stations**
- **Section 403.086(7), F.S. – Requires all sewage disposal facilities that control a collection system to take steps to prevent sanitary sewer overflows and leaks**
 - **Use inflow and infiltration studies/leakage surveys to develop a pipe assessment, repair, and replacement action plan (five-year planning horizon)**
 - **Action plans must be reported to the department and include annual expenditures (e.g., studies, repairs, replacements, limiting fats, roots, oils, grease, etc.)**
 - **Report may be combined with section 403.061(14), F.S. report**



Chapters Subject to Revision

- **Chapter 62-604, F.A.C., Collection Systems and Transmission Facilities**
 - Primarily regulates the construction of collection systems but the operation and maintenance section (Rule 62-604.500, F.A.C.) applies to all new and existing collection systems; revisions will be made in response to the Florida Clean Waterways Act
 - Other changes – rule reduction, updating, minor permitting, and placing a newly constructed collection system into operation
- **Chapter 62-600, F.A.C., Domestic Wastewater Facilities**
 - Creating new rule (Rule 62-600.710, F.A.C.) to address many items related to the Florida Clean Waterways Act
- **Chapter 62-620, F.A.C., Wastewater Permitting**
 - Revising the general condition (section 62-620.610(20), F.A.C.) for reporting non-compliance such as sanitary sewer overflows and spills



Summary of Key Rule Revisions

Chapter 62-604, F.A.C.

- **Deleting unnecessary/outdated language**
- **Revising the rule forms (based on new rule language)**
- **Updating setbacks and vertical/horizontal separation distances for collection systems from drinking water wells and lines, reclaimed water lines**
- **Requiring emergency response plans to address hurricanes and be reviewed annually**
- **Requiring systems to be operated to minimize infiltration, inflow, and leakages (exfiltration); requiring corrective actions**
- **Revising the request to place a new system into operation to a “notification” of completion of construction**



Summary of Key Rule Revisions – 2

Chapter 62-600, F.A.C.

- **Revising the operation and maintenance section to refer to Rule 62-604.500, F.A.C., requirements to operate the collection system to minimize infiltration, inflow, and leakages**
- **Creating Rule 62-600.710, F.A.C., to address most provisions of the Florida Clean Waterways Act**
 - **Power outage contingency plans**
 - **Annual financial report related to collection systems and prevention of sanitary sewer overflows**
 - **Requirements for infiltration and inflow surveys, leakage studies, and pipe repair, rehabilitation, and replacement action plans; reports on the action plan**



Summary of Key Rule Revisions – 3

Chapter 62-620, F.A.C.

- **Revising Rule 62-620.610(20), F.A.C., which specifies reporting requirements for non-compliance including sanitary sewer overflows and spills**
 - **Updating State Watch Office language**
 - **Electronic reporting**
 - **Public Notice of Pollution**



Chapter 62-604, F.A.C.

Collection Systems and Transmission Facilities



Rule 62-604.100, F.A.C.

Scope, Intent, Purpose, and Applicability

- **Removing Scope, Intent, and Purpose provisions – these were previously identified in a rule review for rule reductions**
 - **Removing 62-604.100(1) – (4), (7), and (11)**



Rule 62-604.130, F.A.C.

Prohibitions

No changes



Rule 62-604.200, F.A.C.

Definitions

- **Section 62-604.200(8), F.A.C. – Adding “infiltration” to reflect groundwater entering the collection system through defective pipes, joints, manholes, pump stations (SB 712)**
- **Section 62-604.200(9), F.A.C. – Adding “inflow” to reflect water other than wastewater entering the collection system from various sources such as drains, cross connections, surface runoff, etc. (SB 712)**
- **Section 62-604.200(10), F.A.C. – Adding “leakage” or “exfiltration” to reflect the loss of wastewater leaking into surrounding soil from defective collection system components (e.g., pipes, connections, manholes) (SB 712)**
- **Deleting unnecessary definitions**



Rule 62-604.300, F.A.C.

General Technical Guidance, Related Rules, and Forms

- **Updating form reference language**
- **Section 62-604.300(8)(b), F.A.C. – Changing the name of the form to “Notification of Completion of Construction for a Domestic Wastewater Collection/Transmission System” from “Request for Approval to Place a Domestic Wastewater Collection/Transmission System into Operation”**



Rule 62-604.400, F.A.C.

Design/Performance Considerations

- **Section 62-604.400(1)(b), F.A.C. – Adding a reference to Chapter 62-532, F.A.C., for setbacks to drinking water features**
- **Sections 62-604.400(2)(g) and (h), F.A.C. – Updating the provisions for vertical and horizontal separation distances for collection systems to drinking water lines and reclaimed water lines – referencing Chapter 62-555, F.A.C.**



Rule 62-604.500, F.A.C.

Operation and Maintenance

- **Section 62-604.500(2), F.A.C. – Clarifying that emergency pumping capabilities, etc., must be maintained for all existing pump stations**
- **Section 62-604.500(3), F.A.C. – Clarifying that the equipment to be maintained to function as intended includes all components of the collection system**
- **Sections 62-604.500(3)(b) and (c), F.A.C. – Requiring the emergency response plan specifically address hurricane and severe storm preparedness and response; requiring plan to be evaluated and updated annually**



Rule 62-604.500, F.A.C. – 2

Operation and Maintenance

- **Section 62-604.500(5), F.A.C. – Adding a new section to require collection systems to be maintained to minimize infiltration, inflow, and leakages (exfiltration)**
 - Requires corrective action when infiltration, inflow, and leakages are excessive
 - Requires documentation of any infiltration, inflow, or leakage studies and any corrective actions taken
- **Section 62-604.500(6), F.A.C. – Adding a new section to require collection systems to be operated and maintained to avoid any unauthorized releases or spills (e.g., sanitary sewer overflows)**
 - Requires evaluation of potential corrective action based on cause of the spill
 - For spills related to rain or wet weather, must take corrective action or demonstrate that infiltration and inflow are not excessive



Rule 62-604.550, F.A.C.

Abnormal Events

- **Section 62-604.550(2)(a), F.A.C. – Revising terminology to “State Watch Office” from “State Warning Point”**
- **Section 62-604.550(2)(b), F.A.C. – Clarifying data to be reported and requiring electronic submittal of the five-day follow-up report**
- **Section 62-604.550(2)(d), F.A.C. – Adding public notice of pollution requirements**



Rule 62-604.600, F.A.C.

Procedure to Obtain Construction Permits

- **Section 62-604.600(2)(a), F.A.C. – Requiring the replacement of a pump station with a pump station of the same capacity at the same location to obtain a collection system permit, if the pump station being replaced does not meet the requirements of section 62-604.400(2), F.A.C., i.e., emergency pumping capability**
- **Section 62-604.600(2)(b), F.A.C. – Clarifying that an individual service connection from a single-family residence does not need a collection system permit**
- **Sections 62-604.600(6) and (7), F.A.C. – Revising reference language for the permit application form**



Rule 62-604.700, F.A.C.

Placing Collection/Transmission Systems into Operation

- **Section 62-604.700(2), F.A.C. – Changing form name to “Notification of Completion of Construction for a Domestic Wastewater Collection/Transmission System;” revising reference language**
- **Section 62-604.700(3), F.A.C. – Specifying that a new/modified collection system can be placed into operation three days after submittal of the completion of construction form if there were no substantial deviations**
- **Section 62-604.700(4), F.A.C. – Specifying that a new/modified collection system can be placed into operation ten days after submittal of the completion of construction form if there were substantial deviations unless the department notifies the permittee of concerns**



Chapter 62-600, F.A.C.

Domestic Wastewater Facilities



Rule 62-600.200, F.A.C.

Definitions

- **Sections 62-600.200(31) and (32), F.A.C. – Adding the definitions of infiltration and inflow**
- **Section 62-600.200(34), F.A.C. – Adding the definition of leakage, or exfiltration**



Rule 62-600.405, F.A.C.

Planning for Wastewater Facilities Expansion

- **Section 62-600.405(1), F.A.C. – Adding “collection” of wastewater to the items that must be timely planned, designed, and constructed**
- **Section 62-600.405(2), F.A.C. – Requiring that collection system flows be routinely reviewed as part of the pipe assessment, repair, and replacement action plan required in the new Rule 62-600.710, F.A.C.**



Rule 62-600.410, F.A.C.

Operation and Maintenance Requirements

- **Section 62-600.410(3), F.A.C. – Adding “collection” to the facilities and equipment necessary to be maintained to function as intended**
- **Section 62-600.410(6), F.A.C. – Adding new provision specifying that all collection/transmission systems owned or operated by the facility or utility shall be maintained to provide uninterrupted service and to minimize infiltration, inflow, and leakages in accordance with the revised Rule 62-604.500, F.A.C.**



Rule 62-600.520, F.A.C.

Discharge to Surface Waters (Coastal and Open Ocean)

- **Section 62-600.520(6), F.A.C. – Adding new provision providing the language from section 403.086(9), F.S., that states that the discharge of domestic wastewater through ocean outfalls is prohibited after December 31, 2025, except as a backup discharge (for reuse systems and peak flows)**



Rule 62-600.700, F.A.C.

General

- **Section 62-600.700(4), F.A.C. – Adding new provision specifying public utilities or their affiliated companies holding, applying, or renewing a domestic wastewater discharge permit to file annual reports and other data for costs/expenditures on pollution mitigation and prevention, including prevention of sanitary sewer overflows, collection and transmission system pipe leakages, and inflow and infiltration; report may be combined with annual report required by new section 62-600.710(2)(b), F.A.C., and must be submitted electronically**



Rule 62-600.710, F.A.C.

Collection Systems - Facilities

The Florida Clean Waterways Act (SB 712) frames most of the collection system requirements to apply to collection systems under the control of a facility or utility applying for or holding a wastewater discharge permit.

- Section 62-600.710(1), F.A.C. – Adding new requirement for applicants applying for a wastewater facility permit to submit a power outage contingency plan that mitigates the impacts of power outage on the facility’s collection system and pump stations (SB 712)**
- Section 62-600.710(2), F.A.C. – Adding new requirement for facilities to act to prevent sanitary sewer overflows and pipe leaks**



Rule 62-600.710, F.A.C.

Collection Systems - Facilities

- **Section 62-600.710(2)(a), F.A.C. – Adding new requirement for facilities to develop pipe assessment, repair, and replacement action plans with a five-year planning horizon (SB 712), prepared by professional engineer**
 - **Requires a deliberate, proactive approach for surveying the collection system in an economically feasible manner; at least 50% of the system should be investigated over the five-year planning horizon**
 - **Requires plan be based on inflow/infiltration studies, leakage surveys**
 - **Requires a sanitary sewer evaluation survey if inflow, infiltration, or leakage is excessive**
 - **Requires an asset management plan for the collection system**
 - **Contact information for the plan**



Rule 62-600.710, F.A.C.

Collection Systems – Facilities – 2

- **Section 62-600.710(2)(a), F.A.C. (continued)**
 - **Adding new requirement for facilities with permitted capacity of one million gallons per day or greater to have a computerized, GIS map and inventory of the collection system**
 - **Includes details information (size, length, type of pipe, tracking number, age, service life, flows, topography, water table, rainfall data, complaints, overflows, etc.) for each component of the collection system (pipe, manhole, pump stations, etc.)**
 - **Requiring a comprehensive maintenance plan (repairs, cleaning, emergency repairs) as well as record keeping**
 - **Requiring plan to address limiting fats, oils, grease, roots, wet wipes, as well as inflow and infiltration from service laterals**



Rule 62-600.710, F.A.C.

Collection Systems – Facilities – 3

- **Section 62-600.710(2)(a), F.A.C. (continued)**
 - **Adding new requirements for provision for a central maintenance entity for individual service connections from single-family residences with low-pressure pumps not covered under an alternative collection systems permit**
 - **Adding new requirement to address resiliency of the collection system to sea-level rise**



Rule 62-600.710, F.A.C.

Collection Systems – Facilities – 4

- **Section 62-600.710(2)(b), F.A.C. – Requiring an annual report to be submitted electronically no later than February 19 that includes:**
 - **Percentage of collection system investigated**
 - **Methods of investigations and studies and results**
 - **Calculated amounts of inflow, infiltration, leakages**
 - **Repairs conducted and repairs planned for next year**
 - **Replacements made and replacements planned for following year**
 - **Any other significant maintenance activities conducted or planned for the following year**
 - **Information on annual expenditures on inflow, infiltration, leakage studies, pipe assessment, repair, and replacement; limiting fats, oils, grease, roots, wet wipes**
 - **Details of facility revenues and expenditures, including any deviation of annual expenditures from identified system needs**



Rule 62-600.710, F.A.C.

Collection Systems – Facilities – 5

- **Section 62-600.710(3), F.A.C. – Stipulating that facilities meeting the stated goals of their pipe assessment, repair, and replacement plan shall be eligible for 10-year permits**



Rule 62-600.720, F.A.C.

Operation and Maintenance Manual

- **Section 62-600.720(1)(c), F.A.C. – Requiring the power outage contingency plan required in section 62-600.710(1), F.A.C., to be part of the operation and maintenance manual**



Rule 62-600.730, F.A.C.

Operation and Maintenance Performance Report

- **Section 62-600.730(5), F.A.C. – Revising to state that the collection system and the collection system action plan shall be evaluated if treatment plant problems result from the operation of collection and transmission systems**



Chapter 62-620, F.A.C.

Wastewater Facility and Activities Permitting



Rule 62-620.610, F.A.C.

General Conditions for All Permits

- **Section 62-620.610(20), F.A.C. – Revising the requirements for reporting noncompliance such as sanitary sewer overflows and spills**
 - **Specifying information to be provided**
 - **Requiring the five-day follow-up written submission to be transmitted electronically using the department’s business portal**
 - **Updating from “State Warning Point” to “State Watch Office”**
 - **Adding public notice of pollution reporting requirements (section 403.077, F.S.)**



Public Comment

Written comments can also be:

- ***Emailed to: maurice.barker@floridadep.gov***
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