



RECENT REGULATIONS FOR COLLECTION SYSTEMS

Maurice Barker

Division of Water Resource Management / Wastewater Management Program
Florida Department of Environmental Protection

Focus on Change | 2024



AGENDA

- Background on rulemaking.
- 2023 ratified rules.
- Current rulemaking.
- Questions.



BACKGROUND ON RULEMAKING

Recent Regulations for
Collection Systems



SENATE BILL 712 RULEMAKING

- **Chapter 2020-150, Laws of Florida (Senate Bill [SB] 712 or the Florida Clean Waterways Act).**
 - Directed the Florida Department of Environmental Protection (DEP) to adopt rules to reasonably limit, reduce and eliminate collection system inflow and infiltration (I&I) and leakages.
 - Required an annual report on expenditures on pollution mitigation and prevention (i.e., preventing sanitary sewer overflows [SSOs], I&I and leakages).
 - Required a power outage contingency plan for collection systems/pump stations.
 - Required a pipe assessment, repair and replacement plan.
 - Required a significant percentage of the collection system to be assessed every five years.
 - Required an annual report on plan implementation.



SENATE BILL 712 RULEMAKING (2)

- **Rules revised.**

- Chapter 62-620, Florida Administrative Code (F.A.C.), Wastewater Permitting.
 - Key revisions were made for reporting unauthorized discharges, bypasses and SSOs (effective Sept. 14, 2021).
- Chapter 62-604, F.A.C., Collection Systems and Transmission Facilities.
 - Key revisions were made to the operation and maintenance section; reporting SSOs (effective Oct. 4, 2021).
- Chapter 62-600, F.A.C., Domestic Wastewater Facilities.
 - Key revisions included incorporating collection systems into the chapter and new Rule 62-600.705, F.A.C., which added power outage contingency plans and “collection system action plans” for facility collection systems and needed ratification.
 - Rules 62-600.405, .705, and .720, F.A.C., were ratified on June 28, 2023.



2023 RATIFIED RULES

Recent Regulations for
Collection Systems



BACKGROUND - RULE RATIFICATION

- The Statement of Estimated Regulatory Costs (SERC) prepared by DEP for revisions to Chapter 62-600, F.A.C., identified Rules 62-600.705 and 720, F.A.C., as needing legislative ratification, because of the estimated costs.
 - Rule 62-600.405, F.A.C., required collection system flows to be reviewed as part of the pipe assessment, repair and replacement plan required in Rule 62-600.705, F.A.C., which is why it was included in the rules awaiting ratification.
- SB 7002 and House Bill (HB) 7027 of the 2023 legislative session were filed to ratify Rules 62-600.405, .705 and .720, F.A.C.
 - Signed by Governor DeSantis on June 28, 2023.
 - Chapter [2023-308](#), Laws of Florida.



RULE 62-600.705(1), F.A.C.

- Rule 62-600.705(1), F.A.C. – added a new requirement for domestic wastewater facility permit applicants to submit a power outage contingency plan that mitigates the impacts of power outage on the facility’s collection system and pump stations (see section 403.086(2), Florida Statutes).
 - An initial plan must be submitted with the facility application for a new permit, permit renewal or substantial permit revision. Updated plans must be submitted with each subsequent permit renewal or substantial permit revision.
 - Overall goal is to prevent SSOs during a power loss to a pump station, portion of the collection system or to the entire collection system.
 - Plans should include implementation of the plan, collection system maps, pump station inventory and individual pump station evaluations, fuel resources, response teams, communications, mutual aid agreements, financial resources, etc.
 - Guidance is available at: <https://floridadep.gov/water/domestic-wastewater/content/collectiontransmission-system-power-outage-contingency-plans>.



RULE 62-600.705(2), F.A.C.

- Rule 62-600.705(2), F.A.C. – added new requirements for facilities to proactively prevent SSOs and pipe leaks.
 - Rule 62-600.705(2)(a), F.A.C. – pipe assessment, repair and replacement plan, also known as “collection system action plan.”
 - Procedures and requirements for preparing and submitting the plan.
 - Content of the plan.
 - Rule 62-600.705(2)(b), F.A.C. – annual report for the plan.
 - An annual report on the plan must be submitted each year by June 30.
 - Content of the report.
 - More information is available at: <https://floridadep.gov/water/domestic-wastewater/content/collection-system-action-plans>.



RULE 62-600.705(2)(a), F.A.C.

- Required facilities to develop a pipe assessment, repair and replacement action plan (“collection system action plans”) with a five-year planning horizon to mitigate SSOs and leaks.
 - Deliberate, proactive approach for surveying the collection system, as technically and economically feasible; survey at least 25% of the system over five-year period.
 - Based on I&I studies and leakage surveys; also based on any follow-up sanitary sewer evaluation surveys if inflow, infiltration or leakage is excessive.
- A summary of the plan shall be submitted to DEP with the facility permit applications for a new permit, permit renewal or substantial permit revision.
 - A copy of the plan shall be provided to DEP within seven days of request.
 - The detail of the plan shall be consistent with the complexity of the system.
 - Plan must include a point of contact for the facility/contact information.



RULE 62-600.705(2)(a), F.A.C. (2)

- Collection System Action Plan must include the following.
 - A map and inventory of the system; facilities with permitted capacity of one million gallons per day or greater must have a geographic information systems (GIS) map and electronic inventory.
 - Included details and information as practicable (size, length, type of pipe, tracking number, age, service life, flows, topography, water table, rainfall data, complaints, overflows, etc.) for each component (pipe, manhole, pump stations, etc.).
 - A maintenance plan, protocols and recordkeeping.
 - A plan to describe measures, if any, for limiting fats, oils, grease, roots and wet wipes.
 - A plan to describe measures, if any, to minimize I&I from sanitary sewer laterals.
 - Identify all satellite collection systems (effective Dec. 21, 2025) and describe measures, if any, to minimize I&I from satellite collection systems.
 - Describe measures, if any, for resiliency of the collection system related to sea level rise.



RULE 62-600.705(2)(b), F.A.C.

- An annual report for the collection system action plan shall be submitted electronically no later than June 30 each year that includes the following.
 - Summary of the assessments conducted (percentages of the collection system investigated, methods used, results and any estimates of the amounts of inflow, infiltration, leakages).
 - Significant repairs, replacements, maintenance activities, expansions and other upgrades; plans for the upcoming year.
 - Any new satellite collection systems (effective Dec. 21, 2025).
 - Annual expenditures on inflow, infiltration, leakage studies, pipe assessment, repair and replacement; limiting fats, oils, grease, etc.
 - Details of facility revenues and expenditures, including any deviation of annual expenditures from identified system needs.
 - Any additional activities relevant to the prevention of SSOs including actions related to flood mitigation and stormwater control.



RULES 62-600.705(3) – (6), F.A.C.

- Rule 62-600.705(3), F.A.C. – allows facilities to propose alternatives providing the same level of protection to the provisions in Rule 62-600.705(2), F.A.C.
- Rule 62-600.705(4), F.A.C. – makes facilities meeting the stated goals of their collection system action plans eligible for 10-year permits (not applicable for NPDES facilities).
- Rule 62-600.705(5), F.A.C. – allows substantial compliance with Rule 62-600.705(2), F.A.C., to be used in mitigation for assessing penalties under DEP rules.
- Rule 62-600.705(6), F.A.C. – requires publicly owned satellite collection systems with flows of 100,000 gallons per day (gpd) or greater to have a collection system action plan.
 - Shall be prepared within five years of the date of the rule; owner/operator shall notify DEP and receiving collection system when it is prepared, review it annually, and make it available for inspection within seven days of request by DEP.



RULE 62-600.720(1), F.A.C.

- Rule 62-600.720(1)(c), F.A.C. – requires the facility operations and maintenance manual to include the power outage contingency plan.
- Rule 62-600.720(1)(d), F.A.C. – requires facility emergency response plans to include cybersecurity for facilities greater than 500,000 gpd.



CURRENT RULEMAKING

Recent Regulations for
Collection Systems



CURRENT RULEMAKING

CHAPTER 62-604, F.A.C.

- DEP is working on further revisions to Chapter 62-604, F.A.C.
- A Notice of Rule Development was published July 29, 2022.
- A public workshop was held Aug. 31, 2022.
- Eight public comment submittals were received (comments were due Sept. 30, 2022).
 - Staff is currently reviewing the submitted comments.
 - Considering revisions to draft language.
- Rulemaking information (including the draft rule, workshop presentation and workshop recording) is available at: <https://floridadep.gov/water/water/content/water-resource-management-rules-development>.



KEY REVISIONS BEING CONSIDERED

- Adding resiliency considerations for pump station design.
- Upgrading older pump stations to meet current emergency pumping capability requirements.
- Simplifying and clarifying the I&I requirement in subsection 62-604.550(5), F.A.C.; revising or removing “severe storm” language to avoid confusion.
- Adding a clarifying requirement for surface water monitoring for spills impacting surface waters.



THANK YOU

Maurice Barker

Division of Water Resource Management
Wastewater Management Program
Florida Department of Environmental Protection

Contact Information:

850-245-8614

Maurice.Barker@FloridaDEP.gov