

Graywater Treatment Works

Graywater allowed use:

Graywater use is only permitted within the boundaries of the City of Fort Collins where both the water provider and wastewater provider has consented in writing to the use of graywater. See boundaries here:

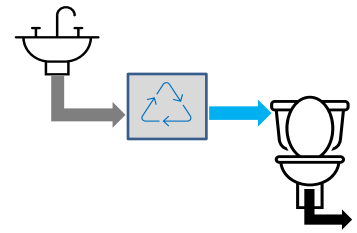
<https://gisweb.fcgov.com/HTML5Viewer/Index.html?Viewer=Graywater>

Contractor Licenses required to install a graywater treatment works system:

1. Licensed Plumber
2. Licensed Electrician required for any electrical installation

Any installation or alteration of graywater treatment works requires a building permit.

Graywater use is limited to toilet flushing only.



Submittal Checklist (all documents must be in PDF format)

1. **Permit Application:** (Name PDF: *Apps – Address – v1*)
2. **Payment:** Plan check fee required at permit submittal
3. **Plans** (Name PDF: *Plans – Address – v1*)
 - **Graywater works drawing/schematic:** Showing location of graywater treatment system, graywater uses, design flow calculations, fixtures that are the source(s) of the graywater, description of all products and components.
 - **Operation and maintenance manual:**
 - A graywater treatment works description including: equipment list, design basis data including but not limited to, design volumes, design flow rates of each component and service area, system as-built drawing, and process description.
 - Maintenance information for the graywater treatment works including but not limited to: component maintenance schedule, instructions for component repair, replacement, or cleaning, replacement component source list, testing and frequency for potable containment device, and instructions for periodic removal of residuals.
 - Operational ranges for parameters including but not limited to: disinfectant concentration levels, filter replacement parameters, pressure ranges, tank level, and valve status under normal operation.
 - Step-by-step instructions for starting and shutting down the graywater treatment works including but not limited to: valve operation, any electrical connections, cleaning procedures, visual inspection, and filter installation.
 - A guide for visually evaluating the graywater treatment works and narrowing any problem scope based on alarm activations, effluent characteristics, system operation, and history.
 - A list of graywater control measures in which the graywater treatment works must be operated.
 - Manufacture’s installation instructions for all products and components of the graywater treatment works system.

Operation and maintenance manual requirements:

- Must remain with the graywater treatment works throughout the life of the system
- Be updated any time the system is modified
- Upon change of ownership or occupancy of the property where the graywater treatment works is located, transfer to the new owner or tenant

Graywater Treatment Works

Graywater use shall comply with applicable provisions of City Code, including section 5-125, the terms and conditions of Regulation 86, and applicable provisions of state and federal law.

The legally responsible party must update the City within 60 days regarding any changes to the legally responsible party, certified operator, and status of the graywater treatment works.

Typical Graywater Schematic

