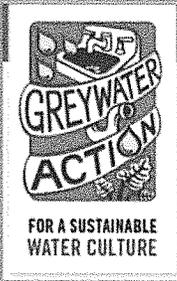


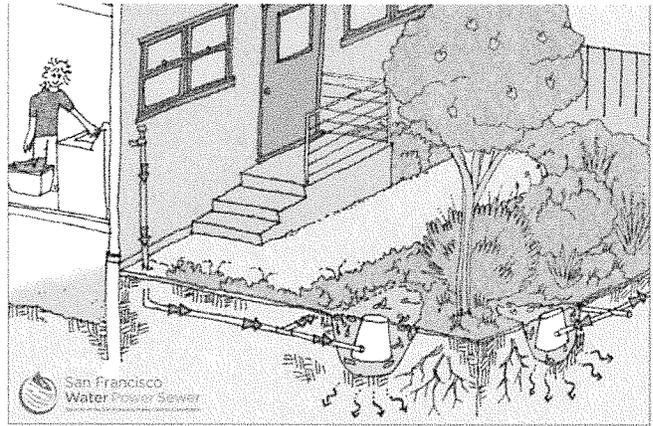
APRIL 21, 2016



FAIRFAX  
Women's Club  
46 Park Road  
7:00 TO 7:30 P.M.

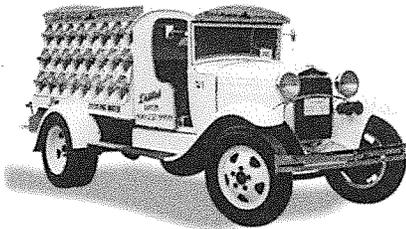
Join the Fairfax Planning Commission and our guest speaker, Christina Berteau, from Greywater Action, to survey commonly available greywater systems from inexpensive DIY low-tech to high tech professional installations. Learn about new building codes for water conservation.

WATER  
IS THE  
MOST  
PRECIOUS  
AND FINITE  
RESOURCE



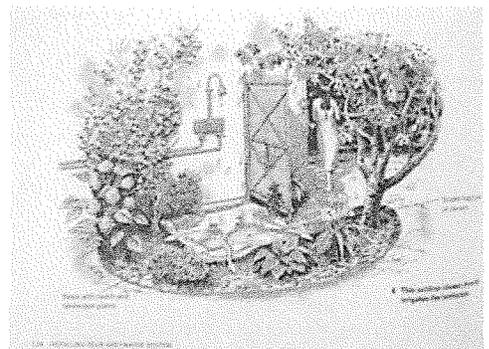
SAN FRANCISCO  
**graywater design manual**  
for OUTDOOR IRRIGATION

## CALIFORNIA HOUSEHOLDS USE AN AVERAGE OF 360 GALLONS OF FRESH WATER PER DAY



LANDSCAPE USE IS 50% OF DAILY HOUSEHOLD WATER USE.  
INDOOR WATER IS 50% OF DAILY HOUSEHOLD WATER USE  
THAT'S THE EQUIVALENT OF ONE 75-5 GALLON WATER TRUCK CAPACITY

The re-use of graywater can decrease potable water use by 16 to 40%, depending on the site, graywater system design, and season. In a 2012 study of Bay Area homes with graywater irrigation systems, graywater irrigation decreased potable water use an average 26%.



- California plumbing codes now require water conservation standards for appliances; and now allow for one type of graywater system, Laundry to Landscape, be installed without permit.

- Marin Municipal Water District now requires installation of a gray water system for all new construction and major remodels



AGENDA ITEM # 1



## **Graywater Requirements for MMWD Water Service**

(District Ordinance No. 429 effective February 1, 2016)

Your project (residential or commercial) may be subject to MMWD's Graywater ordinance if:

- It is new construction and requires a new water service from MMWD, or
- It is already connected to MMWD's water system but requires an enlarged water service from MMWD (often due to additional water demands such as the installation of a fire sprinkler system).

If your project meets these conditions, , then you will be required to have your building plans reviewed for compliance with the new Graywater ordinance.

Not all projects needing a new water service or an enlarged water service meet the conditions to require Graywater. Some of the Graywater requirements include:

- Graywater systems must meet all site and waterway setback requirements.
- Soil conditions or slope of the site shall not create pooling or allow run-off of the site.
- The property needs to have the appropriate landscape plantings for Graywater to be used.
- Irrigation areas must be less than 50 feet away and cannot be uphill from the Graywater source.

MMWD is working directly with all Planning and Building Agencies to receive project transmittals during the Building Application process. Upon, receipt of a plan set, MMWD representatives will review the plans for Graywater requirements and contact the Applicant to discuss details of the project for clarity prior to issuing a "Graywater Sign Off Form".

MMWD requires that the Applicant bring the Graywater Sign Off Form to the Engineering Department when applying for a new water service or an application for an increase in the size of the existing water service. Graywater Sign Off Forms that require the installation of Graywater, must be signed-off by the Building Inspector that compliance has been met.

For more information on Graywater systems, please visit:

<http://www.marinwater.org/155/Graywater> and

<http://www.marincounty.org/depts/cd/divisions/environmental-health-services/graywater-systems>.

This new requirement supports the district's ongoing efforts to reduce water demand. For more information about the requirement contact Engineering Services at 415-945-1530.



## Gray Water Sign Off Form

| Property Information |  |     |  |
|----------------------|--|-----|--|
| Address              |  | APN |  |
| Property Use         |  |     |  |

### Type of Project

- New Construction** – Development of a property not currently served by the District or an addition requiring the installation/enlargement of water service.
- Demo & Rebuild** – Demolition of existing structures and construction of a new residential or commercial building requiring the installation/enlargement of water service.
- Redevelopment** – Construction associated with changing the existing use of a property and requiring the installation/enlargement of water service.
- Significant Remodel** – Changes to an existing structure requiring the installation/enlargement of water service. (Often due to additional water demands)

### Type of Gray Water System Required

- Laundry to Landscape (L2L)** – Utilizing clothes washer discharge water for landscape irrigation.
- Simple System** – A system with a discharge of 250 gallons per day or less. Installation of a District approved backflow assembly is required.
- Complex System** – A system with a discharge over 250 gallons. Installation of a District approved backflow assembly is required.
- Not Required** – Reason for exemption: \_\_\_\_\_

MMWD Representative: \_\_\_\_\_ Phone: \_\_\_\_\_

### Sign Off

|                   |  |           |  |
|-------------------|--|-----------|--|
| Building Dept.    |  | Inspector |  |
| Inspector's Phone |  | E-mail    |  |
| Signature         |  | Date      |  |

# Gray Water Review Workflow

\*Only applicable to permits issued after Jan 31, 2016

