A Type 1 Reclaimed Water General Permit for Gray Water

A. A Type 1 reclaimed water general permit allows private residential direct reuse of gray water for a flow of less than 400 gallons per day if all the following conditions are met:

1. Human contact with gray water and soil irrigated by gray water is avoided;
2. Gray water originating from the residence is used and contained within the property boundary for household gardening, composting, lawn watering, or landscape irrigation;
3. Surface application of gray water is not used for irrigation of food plants, except for citrus and nut trees;
4. The gray water does not contain hazardous chemicals derived from activities such as cleaning car parts, washing greasy or oily rags, or disposing of waste solutions from home photo labs or similar hobbyist or home occupational activities;
5. The application of gray water is managed to minimize standing water on the surface;
6. The gray water system is constructed so that if blockage, plugging, or backup of the system occurs, gray water can be directed into the sewage collection system or on-site wastewater treatment and disposal system, as applicable. The gray water system may include a means of filtration to reduce plugging and extend system lifetime;
7. Any gray water storage tank is covered to restrict access and to eliminate habitat for mosquitoes or other vectors;
8. The gray water system is sited outside of a floodway;
9. The gray water system is operated to maintain a minimum vertical separation distance of at least five feet from the point of gray water application to the top of the seasonally high groundwater table;
10. For residences using an on-site wastewater treatment facility for black water treatment and disposal, the use of a gray water system does not change the design, capacity, or reserve area requirements for the on-site wastewater treatment facility at the residence, and ensures that the facility can handle the combined black water and gray water flow if the gray water system fails or is not fully used;
11. Any pressure piping used in a gray water system that may be susceptible to cross connection with a potable water system clearly indicates that the piping does not carry potable water;
12. Gray water applied by surface irrigation does not contain water used to wash diapers or similarly soiled or infectious garments unless the gray water is disinfected before irrigation; and
13. Surface irrigation by gray water is only by flood or drip irrigation.

B. Prohibitions. The following are prohibited:

1. Gray water use for purposes other than irrigation, and
2. Spray irrigation.

C. Towns, cities, or counties may further limit the use of gray water described in this section by rule.
STUB-OUT IN WALL - SEWER

LOCATION OF FUTURE ACCESS PANEL INSTALLED BY HOME OWNER.

2" GREY WATER (PIPE PAINTED PURPLE) WITH PURPLE CLEANOUT CAP FOR FUTURE +/- 24" ABOVE GRADE.

2" GREY WATER PURPLE CLEANOUT INDICATING LOCATION OF FUTURE ACCESS PANEL.
2” SEWER FROM TUBS/SHOWERS

2” GREY WATER PURPLE CLEANOUT INDICATING LOCATION OF FUTURE ACCESS PANEL.

2” GREY WATER (PIPE PAINTED PURPLE) WITH PURPLE CLEANOUT CAP FOR FUTURE +/- 24” ABOVE GRADE.

LOCATION OF FUTURE ACCESS PANEL INSTALLED BY HOME OWNER.

CENTER PIPING IN WALL STUD

6” - 8” SEPARATION

STUB-OUT IN WALL - SEWER

NOT TO SCALE
WYE FITTING — SEWER

MIN. 12x12 ACCESS PANEL
WITH LABEL INSIDE PANEL
"GREY WATER STUB-OUT,
REFER TO CITY REQUIREMENTS."
CAN BE INSTALLED ON OUTSIDE
WALL, INSIDE WALL, OR ABOVE
CEILING.

WYE FITTING WITH 1/4 BEND AND
NEOPRENE COUPLINGS AND CLAMPS
FOR EASY REMOVAL. SHOWN IN
INITIAL SEWER POSITION.

2" GREY WATER (PIPE PAINTED
PURPLE) THRU WALL WITH PURPLE
CLEANOUT CAP FOR FUTURE +/- 24"
ABOVE GRADE.

CAP OR
MECHANICAL PLUG

NOT TO SCALE
2" SEWER FROM TUBS/SHOWERS

WYE FITTING WITH 1/4 BEND AND
NEOPRENE COUPLINGS AND CLAMPS
FOR EASY REMOVAL. SHOWN IN
INITIAL SEWER POSITION.

2" GREY WATER (PIPE PAINTED
PURPLE) THRU WALL WITH
PURPLE CLEANOUT CAP FOR
FUTURE.

CAP OR MECHANICAL PLUG

MIN. 12x12 ACCESS PANEL
WITH LABEL INSIDE PANEL
"GREY WATER STUB-OUT,
REFER TO CITY REQUIREMENTS."

CENTER PIPING IN WALL STUD
OR MINIMUM 6" ABOVE CEILING.

WYE FITTING IN WALL - SEWER
NOT TO SCALE
WYE FITTING IN WALL – GREY WATER

NOT TO SCALE

MIN. 12x12 ACCESS PANEL
WITH LABEL INSIDE PANEL
"GREY WATER STUB–OUT,
REFER TO CITY REQUIREMENTS."

WYE FITTING WITH 1/4 BEND AND
NEOPRENE COUPLINGS AND CLAMPS
FOR EASY REMOVAL. SHOWN IN
GREY WATER POSITION.

CONNECT 2” GREY WATER (PIPE PAINTED
PURPLE) TO STUB–OUT AND EXTEND TO
LANDSCAPE FOR PERFORATED PIPE OR
POOL BACKWASH HOSE.
WYE FITTING IN WALL – GREY WATER

MIN. 12x12 ACCESS PANEL WITH LABEL INSIDE PANEL "GREY WATER STUB-OUT, REFER TO CITY REQUIREMENTS."

2" GREY WATER TO LANDSCAPE FOR PERFORATED PIPE OR POOL BACKWASH HOSE.

CONNECT 2" GREY WATER (PIPE PAINTED PURPLE) TO STUB-OUT THRU WALL.

WYE FITTING WITH 1/4 BEND AND NEOPRENE COUPLINGS AND CLAMPS FOR EASY REMOVAL. SHOWN IN GREY WATER POSITION.

2" SEWER FROM TUBS/SHOWERS

CAP OR MECHANICAL PLUG

NOT TO SCALE
provide labels

1-1/2” vent

mechanical plug

2” sewer

washer box with dual outlet or separate box, best if accessible and visible.

grey water (pipe painted purple)

grey water thru wall with purple threaded cleanout cap at +/- 24” above grade.

washer wall box – sewer

not to scale
Provide labels

1-1/2" Vent

Grey Water

Mechanical Plug

2" Sewer

WASHER BOX WITH DUAL OUTLET OR SEPARATE BOX, BEST IF ACCESSIBLE AND VISIBLE.

Grey Water (Pipe Painted Purple)

Connect 2" piping to cleanout and route to landscape with perforated pipe or 2" hose similar to pool backwash hose.

Exterior Wall

WASHER WALL BOX - GREY WATER

Not to Scale
2" SEWER FROM FIXTURE, 2" SEWER FROM FIXTURE, 2" SEWER FROM FIXTURE, 2" SEWER FROM FIXTURE,
AS HIGH AS POSSIBLE AS HIGH AS POSSIBLE AS HIGH AS POSSIBLE AS HIGH AS POSSIBLE
BELOW GRADE. BELOW GRADE. BELOW GRADE. BELOW GRADE.

TO SEWER

MINIMUM 24"