Low-Flow Subsurface Branched Drain Irrigation System (Type 1 Graywater, Flow < 150 gpd)

Approvals, Limitations & Other Requirements:
- Approvals:
  - Level 2 Construction General Permit for Irrigation System (Inspection may be waived by local approving authority)
  - Plumbing Permit & Inspection for Collection System
  - Low-flow Irrigation System Design Plan
  - Maximum of two separate systems with flow < 75 gpd each
  - No pumps, No storage

Irrigation Standards:
- Gravity Flow
- Branched drain system
- Drain area plant uptake matches maximum daily graywater flow

Supplement to Maryland Draft Graywater Regulation Ver 2, April 2020
Higher-Flow Subsurface Branched Drain Irrigation System
(Type 1 Graywater, Flow > 150 gpd)

Approvals, Limitations & Other Requirements:
- Approval:
  - Level 2 Construction General Permit & Inspection for Irrigation System
  - Plumbing Permit & Inspection for Collection System
  - Higher-flow Irrigation Design Plan
  - No pumps, No storage (except surge tank), < 24-hour holding time

Irrigation Standards:
- Gravity Flow
- Branched drain system
- 0.5-inch effluent orifices
- Drain area plant uptake matches maximum daily graywater flow

Supplement to Maryland Draft Graywater Regulation Ver 2, April 2020
Drum & Effluent Pump Subsurface Irrigation System  
(Type 1 Graywater, Low Flow or Higher Flow)

### Approvals, Limitations & Other Requirements:
- Approval:
  - Level 2 Construction General Permit & Inspection for Irrigation System
  - Plumbing Permit & Inspection for Collection System
  - Irrigation Design Plan
- No storage (except surge tank), < 24-hour holding time

### Irrigation Standards:
- Branched drain system
- 0.5-inch effluent orifices
- Drain area plant uptake matches maximum daily graywater flow

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Supplement to Maryland Draft Graywater Regulation Ver 2, April 2020
Subsurface Drip Irrigation System
(Filtered Type 1 Graywater)

Approval Standards for Filtered Type 1 Graywater:
- Drain area plant uptake matches maximum daily graywater flow
- 20 psi max pressure
- Root Inhibition: Chemical or Physical

Supplement to Maryland Draft Graywater Regulation Ver 2, April 2020
Subsurface Drip Irrigation System
(Type 3 Treated Graywater with Storage)

Approvals, Limitations & Other Requirements:

- Approval:
  - Level 2 Construction General Permit & Inspection of Irrigation System
  - Plumbing Permit & Inspection of collection and treatment systems
  - Design Plan & Site Evaluation

Drip Irrigation Standards for Type 3 Graywater:

- Drain area plant uptake matches maximum daily graywater flow
- 20 psi max pressure
- Root inhibition: Chemical or Physical

Supplement to Maryland Draft Graywater Regulation Ver 2, April 2020
Single Residential Toilet Flushing  
(Type 3 Treated Graywater with Storage)

**Approvals, Limitations & Other Requirements:**

- Approval: Plumbing Permit & Inspection
- Registration with Approving Authority
- Land record

Supplement to Maryland Draft Graywater Regulation Ver 2, April 2020
Multi-Residential Toilet Flushing
(Type 3 Treated Graywater with Storage)

Approvals, Limitations & Other Requirements:

- Approvals (Level 3):
  - Level 3 Construction permit and inspection
  - Operation Permit including 6-month field validation monitoring
  - Plumbing Permit & Inspection
  - Qualified Building Manager
  - Monitoring
  - Reporting & Records keeping
  - 5-year permit renewal

Supplement to Maryland Draft Graywater Regulation Ver 2, April 2020