

NOTICE OF SUBSTANTIVE POLICY STATEMENT**ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ)**

[M22-56]

1. Title of the Substantive Policy Statement and the number by which the substantive policy statement is referenced:

Title: Gray and Black Water Design Flow Calculation for Onsite Wastewater Treatment Facilities; Composting Toilets
Policy Number: 3000.2022

2. Date the substantive policy statement was issued and the effective date of the policy statement, if different from the issuance date:

Effective: 12/1/2022

3. Summary of the contents of the substantive policy statement:

The policy establishes the following:

3.1 For the purpose of determining design, capacity or reserve area for an OWTF according to the Onsite Wastewater Treatment Rules, both Black and Gray waters (combined) are required to be accounted for according to A.A.C. R18-9-D701(A)(11).

3.2 For the purpose of determining design, capacity or reserve area for an OWTF according to the Onsite Wastewater Treatment Rules, the use of a Gray Water system does not change the design, capacity, or reserve area requirements according to A.A.C. Section R18-9-D701(A)(11).

3.3 For the purpose of determining design, capacity or reserve area for an OWTF according to the Onsite Wastewater Treatment Rules, an applicant must ensure the OWTF can handle the combined total design flow of both Black and Gray Water according to Sections R18-9-D701(A)(11) and R18-9-D702(C)(11).

3.4 Wastewater from a kitchen sink is considered Black Water. Black Water must be disposed of according to the Onsite Wastewater Treatment Rules (See the definition of "Gray Water" at A.A.C. Section R18-9-A701).

3.5 If a residence has only one sink, that sink is considered a Black Water source for the purposes of the Onsite Wastewater Treatment and Gray Water Rules.

3.6 Permittees under the Gray Water Rules who can not beneficially use their Gray Water (such as in the winter months) must dispose of the Gray Water in either a sewer or an OWTF with a capacity to handle the Permittee's combined Black and Gray Water flows.

3.7 With respect to Composting Toilets:

3.7.1 Wastewater must be managed as provided in A.A.C. Section R18-9-E303;

3.7.2 If Gray Water is separated and reused, the reuse must comply with the Gray Water Rules;

3.7.3 A trench or bed must be used to disperse combined flow wastewater into the subsurface and sizing of the trench or bed is based on the total design flow of combined Gray and Black water flows. A.A.C. R18-9-E303(F)(2).

3.8 For the purpose of the Onsite and Gray Water Rules, Gray Water that is not separated from Black Water is Black Water. Kitchen sink water cannot be separated into gray and black water streams even if using an interceptor (Casanova, 2001).

3.9 For the purpose of the Onsite and Gray Water Rules, Gray Water that is not used in accordance with the Gray Water Rules must be disposed of in the sewer or according to the Onsite Rules.

4. Federal or state constitutional provision; federal or state statute, administrative rule, or regulation; or final court judgment that underlies the substantive policy statement:

Arizona Revised Statutes § 49-104(a)(1) provides authority for ADEQ to formulate policies, plans and programs to implement Title 49 to protect the environment. A.R.S. § 49-245 provides authority for ADEQ to promulgate rules for general APP.

5. A statement as to whether the substantive policy statement is a new statement or a revision:

This is a new substantive policy statement.

6. The agency contact person who can answer questions about the substantive policy statement:

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7. Information about where a person may obtain a copy of the substantive policy statement and the costs for obtaining the policy statement:

Copies of this document are available at no cost on the Department's website: <http://www.azdeq.gov>. Hard copies may be obtained by contacting <http://www.azdeq.gov/records-center> the ADEQ Records Center, a.m. to 4:30 p.m., Monday through Friday, 1110 W. Washington St., Phoenix, AZ 85007, (602) 771-4380. Cost is \$0.25 per page.