

# HOUSE BILL 1045

M3

(7lr1880)

## ENROLLED BILL

— *Environment and Transportation/Education, Health, and Environmental Affairs* —

Introduced by **Delegate Cassilly**

Read and Examined by Proofreaders:

\_\_\_\_\_  
Proofreader.

\_\_\_\_\_  
Proofreader.

Sealed with the Great Seal and presented to the Governor, for his approval this

\_\_\_\_\_ day of \_\_\_\_\_ at \_\_\_\_\_ o'clock, \_\_\_\_\_ M.

\_\_\_\_\_  
Speaker.

### CHAPTER \_\_\_\_\_

1 AN ACT concerning

2 **On-Site Sewage Disposal Systems – Membrane Bioreactor (MBR) Technology –**  
3 **Regulations**

4 FOR the purpose of requiring the Department of the Environment, on or before a certain  
5 date ~~and for a certain purpose, to adopt regulations that~~, to propose certain  
6 regulations that encourage the use of certain treatment technologies in on-site  
7 sewage disposal systems for nonresidential uses; requiring certain regulations  
8 ~~adopted~~ *proposed* by the Department to update certain evaluation criteria and  
9 increase a certain hydraulic loading rate *that may be considered for a certain*  
10 *nonresidential system*; and generally relating to on-site sewage disposal systems for  
11 *nonresidential uses*.

12 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLAND,  
13 That:

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#### EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.

Underlining indicates amendments to bill.

~~Strike out~~ indicates matter stricken from the bill by amendment or deleted from the law by amendment.

*Italics indicate opposite chamber/conference committee amendments.*



1 (a) On or before ~~October 1, 2018~~ January 1, 2019, the Department of the  
 2 Environment shall ~~adopt~~ propose regulations that encourage the use ~~in on-site sewage~~  
 3 ~~disposal systems~~ of permeable micro- or ultra-filtration membrane bioreactor (MBR) or  
 4 other treatment technology technologies in on-site sewage disposal systems for  
 5 nonresidential uses that:

6 (1) ~~is~~ meet the Department's guidelines for use of class IV reclaimed water;  
 7 and

8 (2) are more effective than the Best Available Technology for Removal of  
 9 Nitrogen (BAT) approved by the Department, ~~and~~

10 ~~(2) uses permeable micro- or ultra-filtration membrane technology for~~  
 11 ~~solids separation instead of gravity separation/sedimentation or conventional media~~  
 12 ~~filtration systems such as sand or cloth.~~

13 (b) The regulations required under subsection (a) of this section shall:

14 (1) update the evaluation criteria used in reviewing the design of an  
 15 on-site sewage disposal system for a nonresidential use and determining whether a sewage  
 16 disposal area is appropriately sized; and

17 (2) increase the maximum hydraulic loading rate that may be considered  
 18 to 2.5 gallons per day per square foot (gpd/ft<sup>2</sup>) for a nonresidential system using MBR  
 19 technology and adjusted based on site-specific factors, including nutrient reduction  
 20 requirements, percolation rates, and other site conditions and constraints.

21 SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect July  
 22 1, 2017.

Approved:

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Governor.

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Speaker of the House of Delegates.

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President of the Senate.