

# HOUSE BILL 1045

M3

7lr1880

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By: **Delegate Cassilly**

Introduced and read first time: February 8, 2017

Assigned to: Environment and Transportation

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## A BILL ENTITLED

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 update certain evaluation  
6 criteria and increase a certain hydraulic loading rate; and generally relating to  
7 on-site sewage disposal systems.

8 SECTION 1. BE IT ENACTED BY THE GENERAL ASSEMBLY OF MARYLAND,  
9 That:

10 (a) On or before October 1, 2018, the Department of the Environment shall adopt  
11 regulations that encourage the use in on-site sewage disposal systems of membrane  
12 bioreactor (MBR) technology that:

13 (1) is more effective than the Best Available Technology for Removal of  
14 Nitrogen (BAT) approved by the Department; and

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

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

19 (1) update the evaluation criteria used in reviewing the design of an  
20 on-site sewage disposal system and determining whether a sewage disposal area is  
21 appropriately sized; and

22 (2) increase the maximum hydraulic loading rate that may be considered  
23 to 2.5 gallons per day per square foot (gpd/ft<sup>2</sup>) for a system using MBR technology and

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EXPLANATION: CAPITALS INDICATE MATTER ADDED TO EXISTING LAW.

[Brackets] indicate matter deleted from existing law.



1 adjusted based on site-specific factors, including nutrient reduction requirements,  
2 percolation rates, and other site conditions and constraints.

3           SECTION 2. AND BE IT FURTHER ENACTED, That this Act shall take effect July  
4 1, 2017.