



**Bureau of Environmental Health**

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

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**Maura J. Rossman, M.D., Health Officer**

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**MEMORANDUM**

TO: Robert Francis  
13571 Argo Dr.  
Dayton, MD 21036

FROM: Robert Freemon *RIF*  
Well & Septic Program

RE: 13571 Argo Dr.  
Dayton, MD 21036  
*"Future Building Permit"*

DATE: 2/24/2017

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Based on the information you sent me here is what the Health Dept. would require.

- We would first require percolation testing in order to designate an area for sewage disposal. Records indicate there is an existing sewage disposal area (SDA) that we can accept however it lacks sufficient test data needed to install a replacement system.
- As for your existing septic system it was designed to handle a 3 bedroom house. Since there are more than 3 bedrooms already existing in the house a septic system upgrade would be required. Additionally the bedroom increase (1<sup>st</sup> Floor Den) and living space increase from an unfinished to finished basement would also trigger the septic system upgrade. Since this upgrade would be replacing the existing septic system perc testing would be required.
- Based on the lots position and contour an upgrade would likely require a variance request from Maryland Department of the Environment (MDE) since a new septic system would likely be up gradient from neighboring wells. An SDA up gradient from a well requires a Best Available Technology (BAT) unit and MDE would most likely require a Low Pressure Dosing System (LPD). These systems are considered to be the best systems in residential wastewater treatment and are unfortunately expensive. To avoid having to install a BAT unit and LPD percolation testing could be done on the other side of the swale/drainage easement. The contour of the lot in this area would not be considered up gradient to neighboring wells however, this area has a higher risk of failing perc testing due to its proximity to the swale/drainage easement.
- This is a lot of information to understand over email so if you wish I would be happy to set up an appointment with you to discuss further in detail possible options.