

MDE's intent to seek a Priority Funding Area (PFA) funding exception for Five Homes in St. Clements Shores Community in St. Mary's County

Background: The Bay Restoration (Septic) Fund (BRF) requires MDE to provide an opportunity for Public Comment and/or Public Hearing in cases where an Onsite Sewage Disposal System (OSDS)/septic system is located outside the County Priority Funding Area (PFA) and where BRF grant funding is being proposed for the public sewer connection. After addressing the public comments, if any, the MDE intends to seek a PFA funding exception from the Smart Growth Coordinating Committee under Maryland Department of Planning.

Public Comment Period: Through February 15, 2017. Send email comments to: jag.khuman@maryland.gov

Project: Individual sewer house connection for five homes located within the existing St. Clements Shores sewer system with final treatment at the St. Clements Shores Wastewater Treatment Plant, currently operating at better than ENR level of treatment.

Water Quality & Public Health Issues: The County health department has defined the 5 properties as having failing septic systems, as detailed below:

1. 39994 Ben Morgan Road, Leonardtown, MD 20650: This system was found to be failing in 2014. Due to area and topography limitations, the waterside of the property was tested and found to contain fill material and impermeable clay to a water table of 6.5 ft. There was no area for any other septic system other than a holding tank. The existing system is maintained by frequent pump outs to keep the sewage from surfacing to the ground.
2. 21634 Rose Bank Road, Leonardtown, MD 20650: This house currently has an aged drainfield system which is pumped on a frequent basis. The house experiences frequent back-ups and drains very slow with wet weather. A perc test was conducted in 1995 and showed impermeable soils and a high water table. There would be only I&A alternatives for on-site sewage disposal.
3. 21629 Rosalie Way, Leonardtown, MD 20650: The recent purchase of this property in 2013 prompted a repair perc test for a failing septic system. The soils over the property were found to contain heavy, dense clay to a water table of between 3 and 6 feet. The septic system options given to the property owners were a drip dispersal system or a > 120 min/inch sand mound, both of which are I&A.
4. 22050 Serenity Place Lane, Leonardtown, MD 20650: This property is being served by an I&A sand mound (> 120mpi). This is the third system that has served this property.
5. 39733 Red Oak Lane, Leonardtown, MD 20650: This property had a repair perc test performed in 2005. The property is limited in area (14,000 sf) as well as the highly impermeable soil and high water table present. The only option for on-site sewage disposal is a holding tank.

BRF Funding Eligibility: Up to \$20,000 per home (total up to \$100,000) or actual sewer connection cost, whichever is lower.

Potential new growth: None. These are individual home sewer connections to an existing public sewer line.

Measures being taken to mitigate new growth: N/A – Five individual property sewer connections.

Potential nitrogen reduction: Total for 5 homes = ~105 lbs/yr

	<u>Approx. Total Nitrogen (TN) discharged</u>	<u>Total TN reduced/home</u>
A. No action	23.2 lbs/yr	0 lbs/yr - Baseline
B. BAT upgrade	11.6 lbs/yr	11.6 lbs/yr or 50% reduction over A
C. ENR sewer connect	2.3 lbs/yr	20.9 lbs/yr or 90% reduction over A

Attachment: Location Map

St. Clements Shores

Septic Failure

(As Referenced by the St. Mary's County Health Department)



METROPOLITAN COMMISSION



Failure

- Manhole
- Grinder Pump
- LS Pump Station

Legend

- Gravity Main
- Forcemain



1 inch = 1,000 feet

Prepared by The Metropolitan Commission, Engineering / GIS Department
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