

## Statement of Justification

Re: 7550 Frytown Road  
Fauquier County GPIN 6994-37-9397

Board Members,

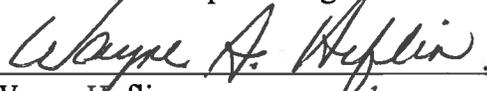
We purchased the house on the above referenced property March 31, 2016. Immediately we noticed the area of our septic system had standing water over much of the area.

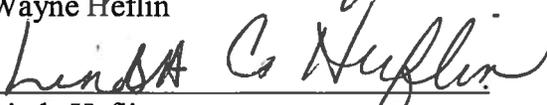
Numerous attempts to contact, inform and involve the builder (this is a newly constructed house) were met with no response or promises to visit the site that were not kept. Subsequently, we contacted the system design engineer (the current septic system is already an alternative system) to assist. The engineer visited the property and told us there was no problem. Our research on the web indicated that standing water over the septic field area was not normal. We then contacted Philip Helm. He is a licensed soil scientist and a licensed OSE (on-site evaluator). He determined that the system was in a state of complete failure and that the soils within the drainfield site were saturated. Mr. Helm returned to the site to evaluate the soil in the approved reserve/repair area with a backhoe to determine which type of on-site system could be installed to fix the problem. Mr. Helm became concerned that the soil within the repair area would not perk and returned to run water tests on the soil. These tests revealed that the soil in the repair area should not be used to install any on-site subsurface system. He advised that we apply to the Virginia State Health Department in Fauquier County to review the site.

The Health Department and the Fauquier County Soil Scientist met with Mr. Helm on site. The results of their findings concur with Mr. Helm's conclusion that the repair area is not satisfactory for an on-site system. A copy of the letter from the Fauquier County Soil Scientist and the denial from the Health Department are enclosed within this application.

The system Mr. Helm has indicated we need is a discharge of treated effluent into the adjacent drainage way. A copy of the permit from the Division of Environmental Quality is also included within this submission. We propose to use an *Advantex AX20* pretreatment unit by *Orenco*. The treated waste will run through a shallow gravel-filled trench for 250' on our property prior to off-site disposal in an existing drainage swale. A copy of system specifications and design information is included. This unit provides treatment that meets the Virginia State Health Department guidelines for treatment at the TL-3 designation. This designation describes the highest treatment level available on the market. We understand that an additional aeration unit by *BioMicrobics* will be added to further reduce contaminants. The waste water is already treated with ultraviolet light to eliminate any fecal coliform bacteria.

We anticipate using The Helm Group as service and maintenance providers.

  
Wayne Heflin

  
Linda Heflin