

April 8, 2024  
Revised April 19, 2024

Borough of Sea Girt Residents  
321 Baltimore Boulevard  
Sea Girt, NJ 08750

**Re: Underground Water Level Memorandum  
Borough of Sea Girt  
Our File: SG-24-01**

Dear Residents,

This memorandum is to address the concern regarding the recent heavy rainfall and its impact on underground water levels, particularly in our community, and the consequent strain it has placed on the operation of sump pumps.

As you are aware, our region has experienced unusually high levels of precipitation over the past several weeks. While rain is essential for replenishing water sources and sustaining ecosystems, excessive rainfall can lead to various challenges, particularly concerning groundwater levels. When there is a significant amount of rain, the ground becomes saturated, causing excess water to seep into the soil and eventually infiltrate underground aquifers.

One significant repercussion of this phenomenon is the rising water table, which can affect residential properties equipped with sump pump systems. Sump pumps play a crucial role in preventing basement flooding by collecting excess water and pumping it away from the foundation of buildings. However, during periods of heavy rainfall and rising groundwater levels, sump pumps can become overwhelmed, leading to potential malfunctions or even failure.

Given the current circumstances, I urge you to consider proactive measures to address this issue. Increasing awareness about the importance of proper sump pump maintenance and encouraging homeowners to inspect and test their systems regularly can help mitigate risks associated with potential flooding. Additionally, investing in backup power sources, such as battery-operated sump pumps or generators, can provide an added layer of protection during power outages, which often coincide with severe weather events.

Furthermore, community-wide initiatives aimed at implementing sustainable water management practices can contribute to long-term solutions for mitigating the impacts of heavy rainfall on underground water levels. By promoting responsible water usage and supporting initiatives to enhance groundwater recharge, we can work towards building a more resilient and sustainable future for our community.

For reference, the Borough has regulations prohibiting the connection of sump pumps to the sanitary sewer system. The reasoning behind the prohibition is the addition of the ground water to the sanitary sewer typically discharge large volumes of water during heavy rainfall or flooding events. If connected to the sanitary sewer system, this excess water can overload the system, leading to backups, overflows, and potential flooding in homes and streets. Furthermore, the added groundwater increases treatment costs by increasing the volume of water that needs to be treated unnecessarily, leading to higher treatment costs for municipalities and potentially higher utility bills for residents.

In conclusion, excessive rainfall raises groundwater levels, straining sump pumps and increasing the risk of basement flooding. To mitigate this, we need to promote regular sump pump maintenance, encourage backup power sources, and support sustainable water management practices. Taking proactive measures will safeguard homes and enhance community resilience.

If you require additional information regarding this matter, please do not hesitate to contact the office.

Very truly yours,  
LEON S. AVAKIAN, INC.



Samuel Avakian, P.E., P.L.S.  
Project Engineer