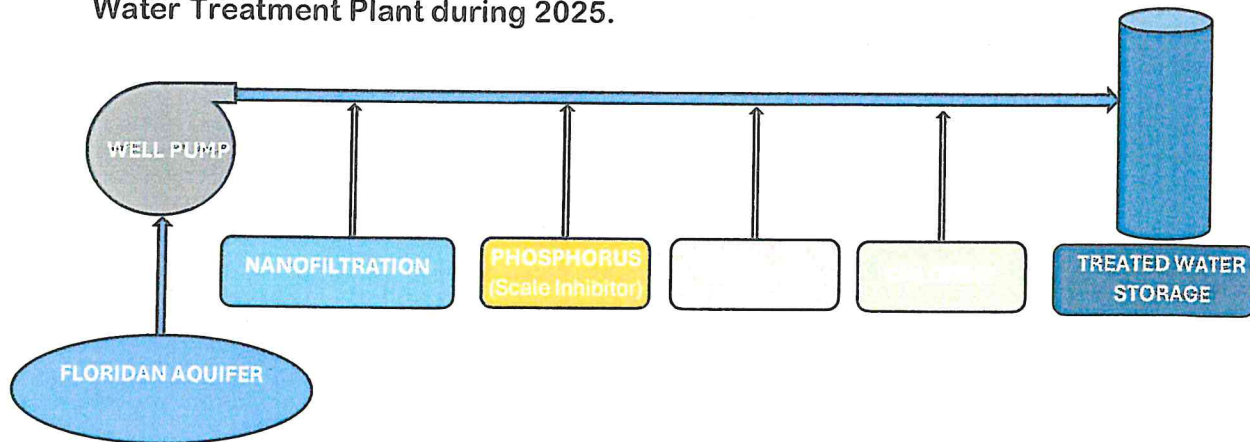


The significance of this is that organic levels in some of the County's water supply wells are causing exceedances of the allowable amounts of TTHMs and HAAs as set by the US EPA. To come into compliance requires additional treatment beyond the traditional methods used in Lowndes County for several years.

To address the exceedances, the Utilities Department has conducted pilot studies on several treatment methods for removing the organics in the groundwater including blending, advanced ion exchange (MIEX), ultrafiltration, peroxide, and nanofiltration. The only consistently effective process for removing the organics was nanofiltration. Based on these results, the Utilities Department will move forward with planning for nanofiltration plants for the Spring Creek well site on Hattie Place and at the Alapaha Plantation Subdivision Water Treatment Plant during 2025.



TYPICAL LOW FLOW NANOFILTRATION TREATMENT PLANT

(Similar to the plant that will be constructed at Alapaha Plantation.)

