

**SOUTHEASTERN WATER ASSOCIATION
147 EAST SOMERSET CHURCH ROAD
SOMERSET, KENTUCKY 42503
606-678-5501**

"This institution is an equal opportunity provider."

**RE: Case: 2021-00126
Item 5**

The Southeastern Water Association is a merged water distribution system made up from four former water distribution systems. After the final merger completed in 1996, the Southeastern Water Association has been consistently working with our engineering firm to physically connect the existing systems. With this endeavor, the Southeastern Water Association has experienced several pressure zones to contend with.

Southeastern Water Association consists of eleven storage tanks and eleven booster pump stations. The storage tanks are at various elevations and designed to maintain pressure throughout the distribution system.

Southeastern Water Association buys all the water supplied to its customers from the City of Somerset.

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Southeastern Water Association flushes the system semi-annually following our water provider; to ensure the operation of all valves and flush hydrants as well as flushing all water mains. The Association also flushes upon any customer concerns to ensure the water is clear of any taste and odor concerns.

Southeastern Water Association in addition to the above flushing takes chlorine residuals daily at random areas throughout the system, to ensure the minimum chlorine residual is present in all mains as required by the Division of Water regulations. If the residuals are not within a reasonable margin of the regulations, flushing is required until the chlorine is at a satisfactory level.

All distribution systems within the past few years have had a new regulation to contend with (HAA5 and TTHM) tests are conducted quarterly if regulations are met and more frequent if out of compliance.

As the water is pumped from tank to tank the residuals are lost and HAA5's become out of compliance, if the water sits for a prolonged time in mains, chlorine is lost, all of the scenarios require flushing.

Southeastern Water Association stores water which is purchased from the City of Somerset. This comes from storage from Somerset to tank 1 then pumped to tank 2 then on to tank 3 before being used in rural areas which requires extensive flushing to control water quality.

Southeastern Water Association is currently having an independent contractor (Wet and Dry) Jay Hoffman owner; inspecting, repairing and repainting the storage tanks. Including at time of repair or repaint a mixing system is being installed to help control the water quality.

Southeastern Water Association manages tank turn over to help ensure water quality, flushes as deemed needed and constantly monitors chlorine levels.