

**Town of Thompson's Station  
Utility Board  
Meeting Agenda  
September 15, 2021**

**Call Meeting To Order**

**1. Consideration Of The Minutes Of The August 18, 2021, Meeting.**

Documents:

[ITEM 1 - UTILITY BOARD MINUTES 8\\_18\\_2021.PDF](#)

**2. System Operator's Update**

**3. Barge Design Updates-Matthew Johnson:**

1. Bridgemore I & I Update (data results)
2. Force Main and Pump Station on Highway 31 and Thompson's Station Road
3. Capacity Reservations Update
4. MBR Project Update

**4. Discussion Of Scope Of Non-Potable Reuse:**

Documents:

[ITEM 4 - TS REUSE DISCUSSION MEMO.PDF](#)

**Adjourn**

*This meeting will be held at 6:00 p.m. at the Thompson's Station Community Center  
1555 Thompson's Station Rd West*

**Town of Thompson's Station  
Utility Board  
Meeting Minutes  
August 18, 2021, 6:00 p.m.**

**Call to Order:**

Utility Board Members and staff attending the meeting were: Chairman Jeff Risdien, Alderman Brian Stover, Utility Board Members Skip Beasley, Bruce Difrancisco, Joshua Mayo, Charles Starck, Finance Director Steve Banks, Wastewater Operator Brandon Haskins, Town Clerk Regina Fowler and Town Attorney Kirk Vandivort. Lauren Gaudioso resigned her position on the Utility Board prior to this meeting.

**Minutes:**

**Consideration of the minutes of the July 21, 2021, regular meeting was presented.**

Brian Stover made a motion to approve the July 21, 2021, regular meeting minutes. The motion was seconded by Skip Beasley and carried unanimously.

1. **System Operator's Update – Brandon Haskins:** Cell 1 is being pumped into cell 2. There is approximately 5' of water left in cell 1.
2. **Barge Design Updates - Matthew Johnson:**
  - a. **Bridgmore I & I Update:** The CCTV data has been received and all data will be reviewed. No preliminary information was shared.
  - b. **Critz Lane Utility Relocation Update:** The pipe installation has been completed and this entire project should be complete, except for final grading and seeding by the end of next week, barring any inclement weather.
  - c. **Force Main and Pump Station on Highway 31 and Thompson's Station Road:**  
The pipeline drawings have been received from the developer. Additional comments were received as well as revised plans. Barge will coordinate with the developer. No design drawings have been received on the pump station however, they are needed to continue conversations with the Church for the land purchase.
  - d. **Capacity Reservations Update:** Since the last meeting only one capacity reservation request has been received on Parson's Valley bringing the total to just under 167,000 gallons per day leaving 70,000 gallons per day remaining. A few of the reservations that have been in the queue for a long period of time may fall out of the queue.
3. **MBR Project:** The Town received comments from the SRF committee. Those comments have been acknowledged and answered except for two items, which are contingent upon the closing of the property for the pump station. After completion of the real estate closing there should be a financial review with the SRF committee which should

take approximately 2 – 3 weeks. After that review a public meeting will need to be advertised and held. Once that has been completed and the minutes are submitted to the SRF committee, it should take approximately 30 days for the facilities plan to be approved. A meeting was held with the City of Franklin to discuss the possibility of possibly hooking up to their wastewater system. While it was a positive meeting, the City of Franklin and the Town of Thompson's Station's schedules do not comply with each other, but there could be some future discussions/possibilities. The real estate closing for the property and easements should close by the end of the month. The review for the SRF loan would need to take place before a public meeting can be held.

- 4. Approve to Recommend to BOMA for approval to specifically deal with Commercial Development for the Reservation of Wastewater Capacity Agreement with the Town of Thompson's Station:** Bruce DiFrancisco made a motion to approve to recommend to BOMA for the approval to specifically deal with Commercial Development for the Reservation of Wastewater Capacity Agreement with the Town of Thompson's Station with additional language that it is not applicable to mixed use developments as the use of the residential reservation agreement would apply. The motion was seconded by Skip Beasley and carried unanimously.

**Adjourn:**

There being no further business, the meeting adjourned at 6:40 p.m.

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**Chairman, Jeff Riden**

Town of Thompson's Station

Scope of Non-Potable Reuse

FOR UTILITY BOARD DISCUSSION ONLY

The Town has had an ongoing discussion with TDEC regarding alternatives to land application for the disposal of the Town's treated wastewater effluent. TDEC's preferred course for the Town is to pursue non-potable reuse (as opposed to a direct discharge permit), however this presents some challenges for the Town under TDEC's current rules most notably capacity credit is not given unless reuse can be demonstrated on a year-round basis. This is important because capacity credits are what will help the Town reduce its need for soils for land application. If year-round utilization cannot be demonstrated, then the Town will still be required to have the full amount of soils (and infrastructure) available as a redundancy in the event the reuse options cannot be utilized.

The Town also has the challenge that it is not the water provider to its residents and as such, is precluded by law from providing water absent agreement with the water provider (HB&TS) or a declaration from the county mayor. The Town attorneys have had discussions with HB&TS about their willingness to work with the Town on reuse and they have asked the Town to develop a proposed scope for reuse as a jumping off point for their consideration and further discussion.

**Points for Discussion:**

1. What is/isn't allowed under these rules?
2. How much water may be available for reuse (ie. what can the Town reasonably/consistently generate)?
3. What infrastructure is available/necessary for reuse?
4. Identify current and potential outlets for reuse

For purposes of the board's discussion on defining a scope for reuse within the town for discussions with HB&TS, the pertinent parts of the TDEC rules related to reuse is provided below.

**Rules:**

0400-40-06-.10 Non-Potable Reuse.

(1) Scope.

(a) T.C.A. § 69-3-108(e) requires applicants for a new or expanded wastewater discharge to surface waters to consider alternatives to discharge, including land application and beneficial reuse of treated wastewater. This rule governs non-potable reuse of reclaimed wastewater, which may be authorized in a stand-alone SOP, an amendment to an existing SOP, or in an NPDES permit. Non-potable reuse is a conservation activity that replaces the use of more highly treated water, especially potable drinking water with wastewater treated to a lesser, but sufficient, degree for safe and efficacious reuse. Reclaimed wastewater reused for irrigation shall not be applied in excess of the evaporation rate plus the uptake rate of vegetation in the immediate distribution area to ensure there is no unpermitted discharge. Reclaimed wastewater reused as flushing water in residential neighborhoods shall be

provided in distribution systems separate from those for potable water and returned to the appropriate wastewater collection system.

(b) The following activities do not constitute reuse of reclaimed wastewater within the scope of this rule:

1. Land application that uses the soil as a means of additional treatment of the wastewater produced by a treatment system authorized pursuant to this chapter;
2. Reclamation and reuse of harvested rainwater or stormwater;
3. Reclaimed wastewater produced and utilized on-site by the same treatment system (e.g., wastewater treatment plant-water system); and
4. Industrial effluent created prior to final treatment and used for water re-circulation for step-washing or other processes or reuse systems located on the same property as the industrial facility.
5. Potable reuse of reclaimed wastewater;
6. The reuse of reclaimed wastewater to fill residential or public swimming pools, hot tubs, wading pools, or splash pads;
7. The reuse of reclaimed wastewater for food preparation or incorporation as an ingredient in food or beverages for human consumption;
8. The resale or delivery of reclaimed wastewater to another entity without initial prior approval from the Commissioner by modification of the NPDES permit or SOP authorizing reclaimed water sales and the subsequent contracting with other end-users without execution of the approved permit;
9. Non-potable reuse in impoundments with restricted access or with unrestricted access, environmental reuse, and groundwater recharge for non-potable reuse. Impoundments intended for temporary storage of reclaimed water as part of the delivery system are not subject to regulation under this rule; and
10. Agriculture reuse for food crops or for processed food crops and non-food crops.

2(d) Demonstrated Availability of Alternatives to Reuse.

1. Only demonstrated, consistent, year-round reuse demands can be counted toward wasteload commitments to reduce the amount of wastewater subject to discharge or land application permits. Only those reuse demands satisfying the reclaimed water purveyor's requirements and under its ownership or subject to a long-term contract that equals or exceeds the permit term may be considered as meeting wasteload commitments. The Commissioner may require documentation of five years of demonstrated year-round irrigation to demonstrate consistent reuse demands.
2. New or expanded reuse of reclaimed wastewater will not be permitted unless the applicant demonstrates that sufficient alternatives are available in case the permitted reuse activity becomes unavailable during the permit term. Wasteload commitments based on reuse shall not exceed 25% of the total wasteload commitments, unless a contingency plan has been approved by the Commissioner

to adequately address wastewater disposal needs in case the reuse option is not available in the future. Such alternative plans include, but are not limited to, land application permitted by a SOP and/or a NPDES-permitted discharge to surface waters. Conservation measures may be used on a temporary basis until an alternative can be implemented.