A regional wastewater management stakeholder process and potential rulemaking petition to the Texas Commission on Environmental Quality

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How is wastewater regulated in Central Texas?

Current Options for Wastewater Disposal

Tx Commission on Environmental Quality (TCEQ) regulates wastewater

Discharge effluent directly to a water body



Irrigate treated effluent on the land (TLAP)



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Beneficial Reuse Authorizations

With either a TLAP or discharge permit, treated effluent (aka, reclaimed water) can be used on-demand to:

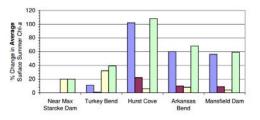
- Irrigate landscapes
- Flush toilets
- Fire protection
- Dust control
- Cooling towers
- Etc.

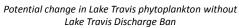


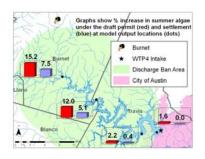
Photo by Ed Clerico

Lake Travis Watershed Rule

TCEQ rules prohibit discharges directly to Lake Travis or within 10 miles of Lake Travis, so TLAP is only option





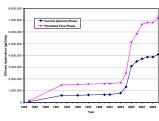


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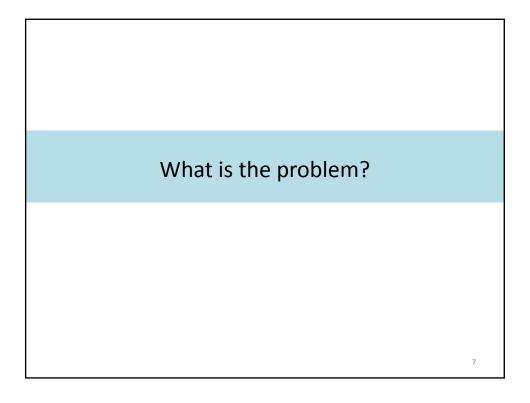
Barton Springs Zone

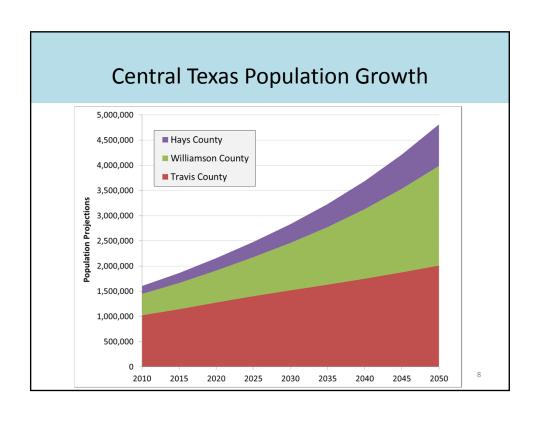
- TCEQ rules prohibit discharge in the recharge zone, but not in the contributing zone
- In the BSZ, 29 of 30 wastewater permits are TLAP
- The 1 discharge permit allows for discharge only under very limited circumstances

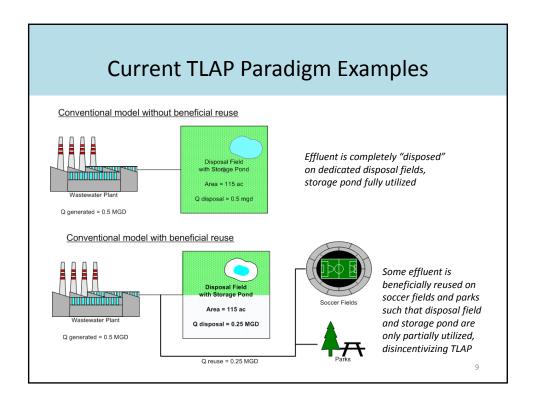


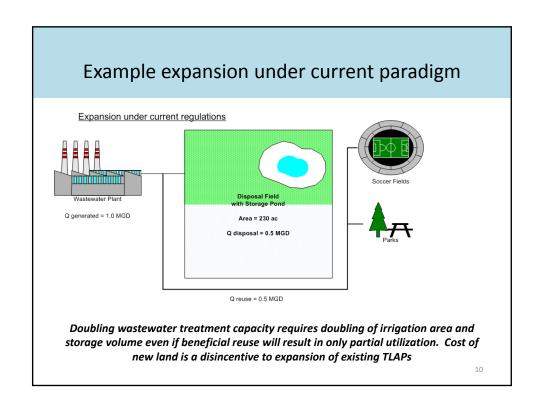










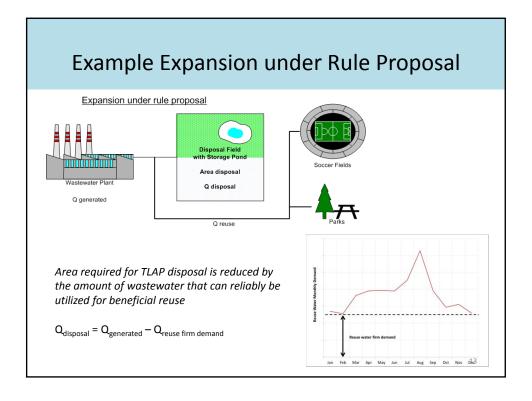


What is the proposed solution?

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Proposed Idea

- Ask TCEQ to add another "tool" to the wastewater toolbox with broad regional support
- Provide "credit" for beneficial reuse to reduce size of TLAP fields and ponds
- Create a flexible mechanism so that beneficial reuse can be added over time without triggering permit amendments
- Do not require permittee to own or lease beneficial reuse areas to take advantage of the credit
- Do not change requirements for beneficial reuse, except when using beneficial reuse as credit for TLAP



Proposed Rule Petition

Surgical modifications of 30 TAC 309 and 30 TAC 222

Reduce total wastewater volume in water balance calculations by amount of "firm beneficial reuse volume"

Establish "firm beneficial reuse volume" (even on land not owned by permittee) by:

- Providing evidence of historic use
- Include contracts for reuse with permit
- Local "ordinance" requiring specific amount of reclaimed water to be accepted by new customers as they come online

Apply most TLAP setback requirements to beneficial reuse "credit" areas

Require up-to-date list of beneficial reuse "credit" areas without permit amendments

Exclude "beneficial reuse areas" from technical report requirements at time of application <u>EXCEPT</u> when over the Edwards Aquifer

Potential Benefits

- Another tool in the toolbox
- Remove barriers to TLAP expansion by reducing land costs
- Flexibility to accommodate growth as it happens
- Encourage investment in beneficial reuse infrastructure
- Generate new income from sale of reclaimed water
- Reduce need and likelihood of contested permits
- Protect high quality of Hill Country water resources
- Conserve drinking water supplies

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Timeline

Aug 31 Mayors Adler and Purcell convened regional meeting
Sep 14 First technical workgroup to review rule draft

Continue technical workgroup meetings as needed

Nov Submit rule-making petition to TCEQ

TCEQ responds to rule making

For More Information

Access documents at: ftp://ftp.ci.austin.tx.us/wre/wastewater/

Website coming soon

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