

LAKEHAVEN UTILITY DISTRICT COMMENTS - Part 2

Reliability/Risk Issues

Don Perry Lakehaven Utility District

Some Points that may come up on the reliability of a reclaimed water source. It is difficult to say one size can fit all users of reclaimed water...

Reclaimed Water production and associated infrastructure may be limited/cease production for the following, but not limited to, reasons:

1. Regulatory/Permit reasons (suggest incorporating permit conditions in contracts with users).
2. Pretreatment requirements for service area if the same as where the reclaimed water was generated originally before it was reclaimed. (suggest incorporating permit conditions in contracts with users).
3. Lack of water source to reclaim
4. TMDL issues
5. Water Right issues
6. Operation and Maintenance issues at the production facility (see 1 above).
7. Reclaimed water service may be interrupted or otherwise limited for purposes for making repairs, extensions, or doing other necessary work to the reclaimed water system.
8. Failure of collection system feeding the reclaimed water system.
9. Failure of the commercial power and emergency power.
10. Reclaimed water users shall comply with all reclaimed water permit constraints placed on the production facilities and rules applicable to a connection to reclaimed water system (such as backflow devices, purple piping etc.).
11. Weather or other events that may cause damage to or shut down any of the reclaimed water production, piping etc infrastructure.
12. Acts of War

Mitigation to the failure of the reclaimed water production facilities and associated infrastructure might be:

1. Reclaimed water production utility may have an alternate supply (potable to replace the reclaimed water).
2. Storage in the system for short duration events.
3. The provider of the reclaimed water will make their best efforts to notify the reclaimed water users of any planned outages.

LAKEHAVEN UTILITY DISTRICT COMMENTS

From: Don Perry [mailto:DPerry@lakehaven.org]
Sent: Wednesday, February 11, 2009 2:30 PM
To: Gaffney, Tim (ECY)
Subject: RE: RAC Assignment Reminder

Tim I have not gotten specific language from the Water Utilities HOWEVER, none of them liked the language as proposed in the default nor the offered tiered approach.

All the Utilities indicated essentially what Clint Perry has said that Reclaimed water should be considered in the planning; with the level of consideration dependent on if the following, but not limited to issues, can be successfully accomplished:

1. **There is a need for additional water resource.**
2. There is a source of wastewater that can be accessed and the wastewater treatment organization is willing to work with the water utility on the reclaimed water facility and come to .
2. There are no water right issues that can not be addressed easily by reclaiming the water.
3. It is cost effective to consider the reclaimed water verses other sources of water.

At the facility plan level a feasibility plan going more into depth would be expected on the above items and it would be expected that there would be much more detail as noted in the draft proposal. At this level it would be assumed that there was a need for the reclaimed water before going to such a level of study.