



Meeting Notes – Reclaimed Water Control Regulation (Regulation No 84) Stakeholder Meeting

Details

Date: Tuesday, April 5, 2016 (1:00 - 2:30 p.m.)
Location: Laboratory Services Building, Franklin Room, 8100 Lowry Blvd

Purpose

Review potential changes to Regulation 84 that will be proposed at the Water Quality Control Commission Triennial Review Informational hearing that will take place May 9, 2016.

Desired Outcomes

By, 2:30 p.m., we will have:

- A clear understanding of the changes the Water Quality Control Division intends to propose for Regulation 84.
- A clear understanding of how the commission rulemaking process works so stakeholders understand the ways to participate in the Reg. 84 rulemaking process.

Meeting Notes

Description	Notes
1). Topic: TDS	<ul style="list-style-type: none"> • Reg 84 does not provide adequate groundwater protection related to TDS - it provides an "end run" around groundwater permitting requirements (Bob Longenbaugh) • TDS will concentrate and increase with each subsequent reuse, especially for a closed basin such as the Upper Black Squirrel aquifer (Bob Longenbaugh) • Reclaimed water is expected to percolate below the root zone based on agricultural practices. It should be assumed that irrigation taking place consistent with Reg 84 will have groundwater impacts (Bob Longenbaugh) • Central Arizona salinity studies have been conducted related to high accumulations of salts. Central portable exchange water softeners, electro distillation units, and other treatment technologies are available (Eric Dole) • Have water softeners been evaluated as a way to address TDS? (Eric Dole) <ul style="list-style-type: none"> ○ Some sanitation districts do address water softeners (Lillian Gonzalez)

<p>2). Topic: Other reclaimed water constituents of potential concern</p>	<ul style="list-style-type: none"> • How will antibiotic resistant bacteria and endocrine disrupting compounds be addressed? (Bridget Walsh) <ul style="list-style-type: none"> ○ Bridget is encouraged to submit a memo to the commission (Lillian Gonzalez) ○ The division will provide Bridget with information on how to participate in the commission process, since she missed the portion of the meeting where the process was discussed (Janet Kieler) • Link to Water Research Foundation study on antibiotic resistance bacteria in reclaimed water systems will be posted on the Reg 84 website (Meghan Trubee)
<p>3). Topic: Categories of reclaimed water</p>	<ul style="list-style-type: none"> • Denver Water is proposing addition of 2 categories of reclaimed water to Reg 84. Why are 5 categories needed? Will Denver Water have 5 distribution systems, and would that be based on cost of treatment? (Bob Farmer) <ul style="list-style-type: none"> ○ Level of treatment needed is determined based on each individual use (minimum requirements are established in the regulation) (Janet Kieler) ○ Category 5 water would be able to be used for any approved use, Denver Water would essentially over treat (Janet Kieler). • What category would private residential gardens fall under? (Dave Takeda) <ul style="list-style-type: none"> ○ Undetermined (Lillian Gonzalez/Brenley McKenna) • Is there a reason for using the word “urban” (as in “urban gardens”) in Denver Water’s proposed category 5? (Dave Takeda) <ul style="list-style-type: none"> ○ The word urban has been included based on interest by Denver Urban Gardens in using the reclaimed water (Shannon Spurlock)
<p>4). Topic: Indirect agricultural reuse/agricultural reuse</p>	<ul style="list-style-type: none"> ▪ There should be protections for downstream farmers from bacteria contaminated raw water indirectly reused for agriculture (Bob Longenbaugh) <ul style="list-style-type: none"> ○ Reclaimed water is better quality than raw water because it is regulated (Shannon Spurlock) <ul style="list-style-type: none"> ▪ Raw water quality used to be better prior to upstream urban development (Bob Longenbaugh) • Endorses agricultural reuse from a farmers perspective, and sees this as a path forward in the face of water shortages (Bill Midcap)
<p>5). Topic: Water Rights</p>	<ul style="list-style-type: none"> • There should be more specific requirements for verifying that the treater has the appropriate water rights to reuse the water (Lisa Thompson)

Next Meeting – Triennial Review Informational Hearing

Date: May 9, 2016