

Reclaimed Water Rule
 Technical Advisory Panel
 October 15, 2008
 10:00 am – 12:00 pm

Welcome and Introductions	
Task #1 Pharmaceuticals, Personal Care Products, and Endocrine Disruptors.....	1
Task #2 Reliability.....	1
Task #3 Pathogens.....	2
Wrap-Up and Action Items.....	3
Meeting Attendees.....	3

Welcome and Introductions

Jim McCauley, welcomed everyone and introductions were made. Ecology and Health decided to shorten this meeting since an agency position on groundwater recharge was not yet ready for presentation to the TAP. The majority of attendees phoned in. The progress checklist was reviewed and some of the October agenda items have been rescheduled for November.

Task #1 Pharmaceuticals, Personal Care Products, and Endocrine Disruptors

A summary of 10 bulleted recommendations for PPCPs and EDCs was presented to the group. The issue of terminology for this topic was discussed. Microconstituents and Trace Organic Compounds are also being used by industry and research groups. This could be defined in a footnote for the RAC. Other recommendations included:

1. Prioritize list – put #3 at top
2. Polish basis of paper – example #5
3. Note that there is additional research in progress
4. Append WERF talking points to supplement document
5. Note if there are conflicts with WERF document

Action Item:

Kathy, Craig, and Bill B. will revise the draft position and statement of basis for distribution to TAP members via e-mail for comment. This will be completed by October 31, 2008

Task #2 Reliability

The TAP confirmed seven items of agreement stated in a handout document regarding reliability, with some discussion:

1. Item #2 should be reworded to reflect distribution reliability.
2. Ecology/DOH should internally resolve ‘reliable treatment’ versus reliability of supply.

3. Since Jim Hagstrom did not attend today's meeting, Kathy C. will contact him regarding questions he had previously about the CSWD guidance on reliability.

Action Item:

Kathy, Craig, John M. and Jim Hagstrom will review design guidance in CSWD (Orange Book) on reliability and establish basis for differences in the standards – integrating them where possible. Deadline is October 31.

Clarification of notes from previous "strawdog #2" handout:

1. TAP recommends automated recording of diversions, not alarms on automated diversions. The condition requiring the diversions will provide alarm.
2. TAP did not intend to remove options for manual diversions or short-term storage as reliability options.
4. TAP agreed that operator should be available to respond to alarms. O&M manual should specify the appropriate response for that facility.
5. TAP members agreed that the concept of 'generally' consistent with CSWD should be retained but add a statement assuring the deviations are justified by good engineering practices from other professional sources.

Action Item:

TAP members agreed to review a draft list of reliability issues to address within the rule (page 4 of handout) and e-mail comments, additions, or corrections to Kathy Cupps.

Task #3 Pathogens

The TAP reviewed a 3rd draft of suggested pathogen standards. The criteria for secondary wastewater effluent and minimum monitoring requirements were separated from the pathogen standard. There are still items here such as weekly and daily BOD, TSS and oxygen that need further input from the TAP.

1. Craig Riley suggested revising terminology of categories for non-potable human contact uses to limited contact (was no contact), controlled contact (was limited or restricted contact) and unrestricted contact.
2. Ecology and DOH should work through issues on the limited human contact issue looking at the goals and the 2 different standards (total or fecal coliform) and be prepared to provide the basis for the decision. It could go either way. The nexus with land treatment criteria should be explained.
3. Remove corrective action levels from rule except retain the current sample maximum values for total coliform use as a corrective action level when triggered by an isolated coliform spike. Set an enforcement value of 'no more than 5% of samples' which is consistent with current California requirements for reclaimed water categories 2. and 3. both restricted and unrestricted uses.
4. On accepting challenge studies from other sources – allow the practice with caution on how to establish equivalency. Place details for acceptability within guidance documents. For example, California has a more rigorous system for acceptance than most other states, so meeting California Title 22 requirements

may be considered equivalent where additional scrutiny would be needed for most other sources.

5. Defer potable discussion until more internal agency work is completed.

Action Item:

TAP members agreed to review additional refinements to pathogen standards after DOH and Ecology discuss the direct potable use issue in depth. Ecology and Health staff will attempt to email revisions to members prior to the next TAP meeting.

Wrap-Up and Action Items

The group agreed that the teleconference worked well. We should reserve conference lines for the next meeting, to be held November 12, 2008 in Lacey. Ecology and Health will attempt to work through as many topic recommendations from the TAP as feasible by emailing revisions to all of the members. It was pointed out that it will take considerable staff time to prepare some of the “white papers” or draft recommendations for presentation to the TAP.

Meeting Attendees

Department of Ecology

Katharine Cupps, Agency Lead (by phone)

Committee Members and Alternates	Guests
John Malady, CH2M Hill (by phone)	Ginny Stern, DOH Drinking Water
Denise Lahmann, DOH	
Craig Riley, DOH (by phone)	
Jay Swift, Gray and Osborne (by phone)	
Ken Butti, LOTT	
Bill Backous, CH2M Hill (by phone)	
Paul Schuler, PNCWA (by phone)	
Ecology Staff	
Jim McCauley, Department of Ecology	