MEETING SUMMARY

Spokane River TMDL Collaboration
Reuse and Conservation Workgroup

Meeting Date: 13 July 2005

Member Attendance: (x)-present; (ph)-by phone; (alt)-alternate attended in place of

Here	Name	Sponsor	e-mail	Phone
x	Anderson, Jerry	Ecology	gand461@ecy.wa.gov	(509) 329-3400
	Blau, Pat	Petitioners	Pat.Blau@kaisertwd.com	(509) 927-6350
X	Brewer, Lloyd*	Petitioners	lbrewer@spokanecity.org	(509) 625-6968
x	Cupps, Kathy*	Ecology	kcup461@ecy.wa.gov	(360) 407-6452
ph	Fox, Tom	Ecology		(206) 296-5279
x	Griff, Jordana	Ecology	jgriff@lawschool.gonzaga.edu	
	Hyatt, John	Petitioners	pwdir@city-of-airway-heights.org	(509) 244-5429
ph	Kimball, Jim	Petitioners	JKimball@JUB.com	(208) 762-8787
x	Koch, Richard	Ecology	rkoc461@ecy.wa.gov	(509) 329-3400
	Krapas, Doug	Petitioners	Doug_Krapas@iepco.com	(509) 924-1911
x	Mellish, Lee	Petitioners	Sewerdoc@aol.com	(509) 922-9016
alt	Rawls, Bruce	Petitioners	Brawls@spokanecounty.org	(509) 477-3604
x	Riley, Craig	Ecology	craig.riley@doh.wa.gov	
	Smith, Doug	Petitioners	dsmith@libertylakewa.gov	
alt	Triplett, Frank	Petitioners		
	Werner, Terry	Petitioners	Twerner@postfallsidaho.org	(208) 777-9857

Attach Audience Attendance Roster
Jeff Lilly (Triplett alternate), jlilly@spokanecity.org
Kevin Cooke (Rawls alternate),
Dave Ragsdale, EPA
Rick Nolls, Conservation District

Meeting Summary:

Reviewed data collection efforts - still completing the effort. Data format needs more work to sort out duplications, id types of use.

Rick Nolls, Conservation District, provided suggestions on agricultural use opportunities.

Workgroup proposed conservation workshop to provide tools. Assigned subgroup to prepare recommendations - will finalize at Aug 5 meeting.

Identified 8 key questions on aquifer recharge.

For July 22, Lloyd Brewer (co-chair) is absent. Kathy Cupps will present overall each discharger presenting their information. See July 22, 2005 PowerPoint presentation on website for more details.

Notes on Status of Revised Fundamental Questions:

1. Define concentric rings from each existing and proposed treatment plant to establish a range of distances for re-use of treated municipal wastewater? Answer the question, "What is the total quantity of re-use opportunities within those concentric rings for re-use in agricultural, commercial, industrial, landscaping, aquifer recharge and golf-course applications? Use the period April 1 to October 31as a first tier consideration. Identify other opportunities that are not seasonal.

Dischargers continue to compile and sort data.

2. Estimate the flow reduction that can be attributed to re-use of municipal wastewater assuming reasonable opportunities are captured over the next 20 year period.

Waiting on #1.

3. Identify the range of potential opportunities that exist in the Spokane River basin. Focus on the following elements (a) identify the largest and most immediate re-use opportunities in the area, (b) identify the longer term and perhaps more comprehensive opportunities (c) as time allows, identify the experiences of other communities to determine the possible long term range of opportunities, degree of difficulty in implementation and other dimensions. (d) Identify is a more thorough study would be useful to help guide actions over the long haul.

Waiting on #1.

4. What is a reasonable expectation for reduction in municipal wastewater influent flows from water conservation measures in the Spokane region?

Dischargers to prepare estimates. 20% ?

5. Focus on identifying opportunities for aquifer recharge – see question #1. Provide 'key questions' back to the Steering Workgroup about aquifer recharge in the Spokane area.

List of key questions is completed. Need id opportunities.

Topics for Next Meeting:

Priority 1. Complete Assignments and Recommendations

A. Conservation Measures - What MUST we accomplish today?

1. Assigned task – Quantify conservation opportunities (indoor uses) to reduce flows going to the wastewater treatment plants. This
   - Reduces the design cost for upgrading facilities – sizing.
   - Reduces discharge of pollutants (phorphorus) to the river.

   Direction:
   - Each discharger to provide their best preliminary estimate as a percentage reduction.
     - City XXX provides a 33% reduction (*http://www.epa.gov/owm/water-efficiency/residence.pdf*) through a program of installing more efficient plumbing fixtures and appliances.

2. Optional Workshop – provide tools to refine and accomplish the goal.
   - Finalize content, speakers, participants, logistics – see attachment

B. Water Reuse - What MUST we accomplish today, this month?

Assigned task - Identify opportunities – all data should be collected for review.

- Each discharger use the data collected to prioritize and quantify opportunities for water reuse to reduce pounds discharged to the river.
  i. Consider internal recycling, reclaimed water use and land treatment opportunities
  ii. Determine what is reasonable
     - Example: Inland Empire Paper states a 20% reduction in flows discharged through internal recycling.
  iii. Estimate time frames of implementation.
  iv. Coordinate with flows and loading workgroup (Koch and Rawls)
  v. If not completed, schedule additional meetings as needed to complete task.

- Submit key questions on aquifer recharge with recommendations to steering committee.
  a. Spokane Valley – Rathdrum Prairie Aquifer
  b. West Plains Basalt Aquifers

Next Meeting Time and Place

5 August 10:00 am 12:30
Spokane City Water Dept. Conference Rm. 914 E. North Foothills Drive