MEETING SUMMARY

Spokane River TMDL Collaboration

Reuse and Conservation Workgroup

June 7, 2005

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

Here	Name	Sponsor	e-mail	Phone
x	Anderson, Gerry	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
p	Cupps, Kathy*	Ecology	kcup461@ecy.wa.gov	(360) 407-6452
p	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
p	Kimball, Jim	Petitioners	JKimball@JUB.com	(208) 762-8787
x	Koch, Richard	Ecology	rkoc461@ecy.wa.gov	(509) 329-3400
p	Krapas, Doug	Petitioners	Doug_Krapas@iepco.com	(509) 924-1911
x	Mellish, Lee	Petitioners	Sewerdoc@aol.com	(509) 922-9016
x	Rawls, Bruce	Petitioners	Brawls@spokanecounty.org	(509) 477-3604
x	Riley, Craig	Ecology	craig.riley@doh.wa.gov	(509) 456-2466
	Smith, Doug	Petitioners	dsmith@libertylakewa.gov	
a	Triplett, Frank	Petitioners		
	Werner, Terry	Petitioners	Twerner@postfallsidaho.org	(208) 777-9857

Attach Audience Attendance Roster

(x) Jeff Lilly (Taking Frank Triplett's place); (p) Dave Ragsdale (EPA)

Note: Tom Fox will not be able to attend the meeting on the 22nd of June.

Meeting Summary:

1) Review Responses from Steering Committee

Responses to questions raised at the last meeting are not expected until after Thursday, 9 June. Therefore this item was moved to our next meeting agenda.

2) Check status of potential reuse data collection

Several entities had begun the process of filling in the data collection instrument. Given this experience and the limitations of readily available data, Lee Mellish indicated that Liberty Lake would not be going out beyond 4 miles (proximity of the State line was also a factor), and Bruce Rawls indicated that Spokane County would likely not go beyond 15 miles out. Lloyd Brewer indicated the City of Spokane would likely go out further.

The City of Spokane is compiling water use data to assist in identifying potential reuse opportunities – about 40 entities have been identified with use at or exceeding 100,000 gallons a day. Gerry Anderson will seek water rights data from Ecology. Lloyd Brewer will bring compilation from the Watershed Plan Technical Assessment for WRIA 55/57.

Bruce brought a GIS map showing entities that had been gleaned from or input into the County database of reuse opportunities. The map is not complete at this point and is still under development. A need to coordinate identification of the entities mapped was discussed, and Bruce and Lloyd agreed to work on coordination. Bruce pointed out that they are mapping gravel/cement operations, golf courses, parks, industrial operations, and (on a separate coverage) schools.

Spokane County sought the assistance of Inland Empire Paper in appropriately mapping potential reuse sites on company property. Doug Krapas noted that poplar plantation sites had previously been considered on some of the 180 plus acres of land the company owns. He also noted that poplar tree pulp was not used by their mill here.

3) Review data format for potential reuse opportunities

It was pointed out that the last two columns of the data worksheet are for data on the potential source of reuse water, whereas several columns, more central in the worksheet, address current water source information.

Notes on Status of 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, during the period April 15 to Sept. 30?"
See discussion item 2 above.

2. Estimate the phosphorus reduction that can be attributed to re-use of municipal wastewater assuming reasonable opportunities are captured over the next 20 year period.
We are awaiting Steering Committee direction on this question. It was noted that a table could be developed with several hypothetical flow reductions and then identifying the resulting pounds removed. The idea of Phosphorus trading was brought up and it was pointed out that Rob Greenwood through Tom Eaton was being hired by EPA to address the potential for phosphorus trading in this watershed.

3. What lessons from experience of other communities in arid climates are there in regard to timing and scale of implementing water re-use measures?
A question was raised as to whether HDR or CH2MHill might have information on the reuse work in Boise, Salt Lake City, and/or Denver. Kathy Cupps volunteered to get State regulatory agency contact information regarding these cities. Craig Riley volunteered to use a contact he knows in Denver.

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

In response to requests for documentation supporting previous estimates of achievable water use reduction, Tom Fox e-mailed a document titled "Task 3 6 Letter Report - Carnation, WA.doc" (35 pgs.). The following EPA link was also furnished – www.epa.gov/owm/water-efficiency .

A question was raised as to when the plumbing code changes went into effect that required the 3.5 gallon per flush toilet (gpf) and then 1.6 gpf toilet.

5. Is the cost estimate, prepared by the City of Spokane and Spokane County for land application of municipal wastewater accurate to within an engineering order of magnitude standard.

Question Deleted!

6. What is the order of magnitude cost for aquifer recharge alternatives given the analysis done in #1 above?

We await Steering Committee direction with regard to this question. Bruce Rawls indicated that he had a County Land Disposal Report which he would make available that might contain relevant information.

Topics for Next Meeting:

- Review responses from the Steering Committee
- Check status of potential reuse data collection
- Satellite Treatment Plants
- Review status/direction on each question

Next Meeting Time and Place:

22 June 9:30 am – 12 Spokane City Water Dept. Conference Rm.
914 E. North Foothills Drive

Call in number (509) 242-8422

Then:

7 July 9:30 am – 12 Spokane City Water Dept. Conference Rm.
914 E. North Foothills Drive

Call in number (509) 242-8422