

**JORDAN RIVER WATERSHED COUNCIL**  
**POTW Advisory Group**  
May 9, 2006 Meeting

**Attendees:** Tom Holstrom; Central Valley Water Reclamation Facility  
Carl Eriksson; General Manager Kearns Improvement District  
Craig L. White; General Manager South Valley Sewer District  
Larry F. Bowen; Principal Bowen Collins & Associates, Inc.  
John Birkinshaw; Kennecott Land  
Dave Wham; Utah Division of Water Quality  
Jim Harris; Utah Division of Water Quality  
Steve Jensen; Salt Lake County Water Resources Planning Program  
Terry Way; Salt Lake County Engineering Division  
Jon Adams; Salt Lake City Corporation  
John Newman; South Valley Water Reclamation Facility  
Natalie Rees; Salt Lake County Water Resources Planning Program

**Discussion of DWQ response to the POTW Advisory Group concerns**

1. A question was asked regarding the anticipated phosphorus level for the Jordan River TMDL. The Division of Water Quality (DWQ) does not feel comfortable pin pointing a limit at this stage in the TMDL process. A more thorough understanding of phosphorus' impact on Dissolved Oxygen (DO) and other parameters is necessary to set such limits. However, it was noted that levels other than 0.05 mg/L will be considered.
2. DWQ has identified eleven (11) long-term monitoring sites in the Jordan River that will be used in the TMDL monitoring process (see attached).
3. It is anticipated that four (4) additional monitoring sites will be added in the Jordan River. These sites are located at 12300 South, 10600 South, 1800 N. Redwood Road Bridge, and above the Burnham Dam and State Canal diversion.
4. Parameters that have currently been collected by DWQ include: TSS, TDS, MET<sub>3</sub>, NH<sub>3</sub>, TP, D-NO<sub>2</sub><sup>-</sup>, D-TP, pH, DO, and Cond.
5. Additional data is needed for COD/BOD, Sediment Oxygen Demand (SOD), Chlorophyll A, Periphyton, and Kjeldahl N in order to validate the water quality model that is being developed by the DWQ consultant.
6. Notably, the State Lab does not analyze for Kjeldahl N or SOD; therefore, if any POTW lab facilities/personnel are capable of, or familiar with, testing for these parameters, they should contact DWQ.
7. The question was asked whether there is historical benchmark data that would indicate natural nutrient levels vs. recent change levels. No true benchmark data is available.

8. It was noted that as the POTW community looks to expand existing plants or construct new facilities, it would be advantageous to know what standards and limits will be set. It is difficult to provide for regional planning without knowing what treatment/discharge levels will be required.

#### **Update of the request to amend the Area-Wide Water Quality Management Plan**

1. Craig White (South Valley Sewer District General Manager) mentioned that there was a court hearing on March 11, 2006 in the 3<sup>rd</sup> District Court in West Jordan in regard to the conditional use permit that was revoked by the Riverton City Board of Adjustments last winter. The judge has not issued a final decision on this matter yet; however, all members of the Jordan River Watershed Council will be notified when a decision is made.
2. Once a decision has been made, SVSD anticipates filing a facilities plan with the State and submitting the county approved Area-Wide Water Quality Management Plan amendment.
3. After approval of the facilities plan, SVSD anticipates construction of a new wastewater treatment facility at their Riverton site. However, an appeal to a higher court may occur.

#### **West Bench Planning Efforts**

1. John Birkinshaw (Kennecott Lands representative) attended this meeting to discuss the west bench planning efforts, which Kennecott Lands is currently involved with.
2. Last fall, Kennecott Lands launched the first stage of engagement for their planning effort with City and County governments. Since that time, they have met with local and regional representatives to discuss the development of this plan.
3. Four (4) workshops have been conducted to facilitate public participation in the development of the West Bench Plan. Water and wastewater were identified as high priorities at these meetings.
4. Kennecott Lands anticipates that this plan will have a 70 year outlook and that the plan will be implemented in a phased approach that will develop region by region.
5. Additionally, Kennecott Lands is interested in developing a countywide planned community zone. This zone would essentially encompass land with mixed development of business, commercial, housing and open space.
6. The anticipated timeline for the development of this plan is three (3) years. At this point, Kennecott Lands is conducting high level planning efforts which will be specified as the plan develops.

7. Kennecott Lands has also contracted with Jim Olsen of Brown & Caldwell to research the wastewater needs of future west bench development.
8. Kennecott Lands will work with CH2M Hill to conduct an alternative analysis of potential wastewater treatment options.
9. Due to Kennecott Lands history in this valley, they have substantial water rights and feel confident that they can accommodate water needs in the new development.

#### **Water Quality Stewardship Plan (WaQSP)**

1. It was noted that in the process of re-visiting the 1978 Area-Wide Water Quality Management Plan for the proposed South Valley Sewer District amendment, it became apparent that numerous factors such as land-use, population projections, jurisdictional boundaries, water quality requirements/impairments, water supply/use, and wastewater treatment processes have changed significantly since 1978.
2. As a result, the Salt Lake County Council allocated \$240,000 into the 2006 budget to initiate the development of a Water Quality Stewardship Plan (WaQSP), which will update the existing Area-Wide Water Quality Management Plan. This plan will contain all of the essential elements found in the original Area-Wide Water Quality Management Plan and will incorporate guidance from the recently published Handbook for Developing Watershed Plans to Restore and Protect Our Waters (EPA, 2006).
3. Salt Lake County has sent out an RFP to consultants in anticipation of hiring a Project Manager to facilitate the creation of the WaQSP. The proposals are due May 17, 2006 and the County anticipates having a manager on board by late June.
4. County staff have been collecting and compiling data for the WaQSP and are interested in attaining water quality data from the POTW facilities. Jim Harris of DWQ mentioned that the Jordan River TMDL consultant has compiled much of this data and he will look into getting this data transferred to county staff.
5. Additionally, Envision Utah has developed a scoping document to develop a master plan for the Jordan River. This plan will be used in the WaQSP to characterize and plan for the 4<sup>th</sup> order Jordan River.

*The next meeting for the POTW Advisory Group will be held August 8, 2006 at 10:00 AM in room N3001 of the Salt Lake County Government Center (2001 South State Street). If there are specific issues that members of the POTW Advisory Group would like to see discussed at this meeting, please notify Natalie Rees at 468-3656.*