

Pima County Regional Wastewater Reclamation Department

Quarterly Report

April – June 2008



QUARTERLY REPORT APRIL – JUNE 2008

REGIONAL OPTIMIZATION PLAN

During the quarter covered in this report, the Department has continued to make significant great progress in preparing for design and pre-construction services required for the Regional Optimization Master Plan. Such contracts are of critical importance in meeting our Ina Road facility January 2014 and our Roger Road facility January 2015 regulatory deadlines.

The ROMP can be divided into three parts, with multiple contracts associated with each part. The three large parts of ROMP consist of the Plant Interconnect, the Ina Road facility and the Roger Road facility.

The Plant Interconnect project will result in the construction of a large sewer interceptor that can convey flows now treated at the Roger Road facility to the upgraded and expanded Ina Road Facility.

The Ina Road facility project will upgrade and expand the current 37.5 million gallon a day (mgd) Ina Road facility to a 50 mgd reclamation facility. The upgraded old facility and the new 12.5 mgd expansion will reduce nitrogen and ammonia in effluent discharges thereby meeting more stringent regulatory effluent standards.

The construction of a new 32 mgd water reclamation campus will result in a state of the art facility that will produce effluent that meets more stringent regulatory effluent standards. This facility will replace the existing Roger Road facility.

Below is the progress made in the ROMP during the months covered in this report.

Plant Interconnect

Progress on design, permitting easement acquisitions and cultural resource clearance activities took place in the March – June 2008 quarter. Additionally, design work by Brown & Caldwell is underway and is approximately 30% complete. The Plant Interconnect Construction Manager at Risk contract was awarded to Sundt/Kiewit Joint Venture. A Notice to Proceed on pre-construction activities was issued on May 8 2008.

Ina Road

CH2MHill was selected as the design engineer firm for the Ina Road Facility Capacity Expansion and Effluent Quality Upgrade Project. A notice to proceed was issued May 26, 2008.

Montgomery, Watson and Harza Contractors Inc. (MWH Contractors) was awarded the contract for pre-construction services of the Construction Manager at Risk for the Ina Road Facility Capacity Expansion and Effluent Quality Upgrade Project. The Notice to Proceed for the pre-construction services was issued June 12, 2008.

During this quarter, the evaluation of Project Manager/Construction Inspection firms for the Ina Road expansion and upgrade project was completed. After careful review and evaluation of Statements of Qualifications, interviews of short-listed firms were conducted on June 4. A recommendation was forwarded to the Board of Supervisors for consideration at the July 1 2008 meeting.

Roger Road

Staff has worked with Greeley and Hansen Consultants, Raftelis Financial Consultants, Hawkins Delafield and Wood LLP, Smith Culp Inc. and Partnership British Columbia (a private-public partnership firm) to evaluate alternative delivery methodologies for the new 32 mgd water reclamation campus that will replace the Roger Road Wastewater Reclamation Facility. The department's consultant has recommended the department consider an alternative delivery method for this project. Methods being examined include Design/Build, Design/Build/Operate, and Design/Build/Finance/Operate.

CONSTRUCTION PROJECTS

Santa Cruz Interceptor, Phase II

Work on the 72" pipe installation of the Santa Cruz Interceptor project along La Cholla Boulevard was completed this quarter. Completion of construction of a structure to facilitate the connection of the 72" line with the existing 78" line is projected for August.



Avra Valley Wastewater Reclamation Facility Expansion

During the period covered by this report, construction continued on the 4.0 mgd expansion at the Avra Valley Wastewater Reclamation Facility. That facility is now approximately 35% complete.

Marana Wastewater Reclamation Facility Expansion

During the period covered by this report, construction of the Ultra Violet (UV) Disinfection and Filtration System, including the addition of a Secondary Effluent Pump Station continued. This project is approximately 35% complete and is scheduled to be completed by October 2008.



Capstan Pump Station Abandonment /Arcadia Sewer Project

Construction to install approximately 3,500 linear feet of 8" sewer line in the Twin Lakes area in Oro Valley and adjacent areas of unincorporated Pima County began in June 2008. Completion of this project will allow for the abandonment of the Capstan pump station. The Capstan Pump Station is a high maintenance and labor intensive pump station that has failed on a number of occasions resulting in sanitary sewer overflows. The construction of the gravity sewer will result in cost savings in energy, staff time, and travel.



Small Line Sewer Repairs

In addition to the larger projects listed above, RWRD has provided repairs to a number of sewer lines found to be in need of repair or rehabilitation.

INA ROAD WASTEWATER RECLAMATION FACILITY CAPACITY STUDY

In February, RWRD received a variance from the Arizona Department of Environmental Quality to test the capacity limits of the new expansion at the Ina Road facility. The department continued tests to determine whether the 12.5 mgd expansion can handle more than its rated capacity. For every additional one mgd the new 12.5 mgd expansion can handle, RWRD can save approximately \$10 million to \$12 million in future construction costs. To date, testing conditions have shown that the facility is able to process up to 15 mgd through the 12.5 mgd expansion. Continued testing will take place into the next quarter.

PHARMACEUTICALS AND PERSONAL CARE PRODUCTS

RWRD has received Standard Operating Procedures from various hospitals in the area. The SOPS that we have received outline the methods and procedures for handling and disposing of pharmaceuticals.

The department is designing a questionnaire for such commercial enterprises as nursing homes, veterinarian offices, etc. Once design of the questionnaire is completed, the department will send it to appropriate establishments. As the questionnaire is being developed, the department continues to develop a stakeholder list.



Some stakeholders that are already working with Pima County in regard to disposal issues include the Green Valley Coordinating Council and the City/County Household Hazardous Waste (HHW) Program. RWRD has been involved with the HHW Program since its inception and continues to have staff serving on the HHW Steering Committee.

PUBLIC OUTREACH ACTIVITIES

April and May are particularly busy months for public outreach. Community Relations employees staffed a number of fairs and festivals such as the two-day Fiesta Grande event, the Earth Day Festival, the State of the County Exposition and Luncheon, and the Public Works Day event. In addition, RWRD purchased pages in the *Bear Essential for Kids* providing educational advertisements dealing with drought and local water issues.



In addition to educational outreach activities, Community Relations staff made personal contact with residents and businesses impacted by the department's construction projects. Efforts included the development and hand-delivery of construction notices that provide specific information about what a resident or business can expect over time and on specific days of a construction project. Office phone numbers and cell phone numbers are provided in the event an impacted business or resident needs information or has concerns that require immediate attention. Community Relations staff attends engineering and construction meetings to assure up-to-date information can be shared during each phase of any given project. During this quarter, the projects where this outreach has been most intensive include the Santa Cruz Interceptor Project and the Capstan Pump Station Abandonment /Arcadia Sewer Project.

ODOR CONTROL

A separate report outlining odor control activities for the April – June 2008 quarter accompanies this report.