

MINUTES OF THE
MARICOPA ASSOCIATION OF GOVERNMENTS
WATER QUALITY ADVISORY COMMITTEE MEETING

Monday, June 23, 2008
MAG Office Building
Phoenix, Arizona

MEMBERS ATTENDING

Roger Klingler, Scottsdale, Chair
* Marilyn DeRosa, Avondale
Lori Brown for Lucky Roberts, Buckeye
Jacqueline Strong, Chandler
Dave Emon, El Mirage
Lonnie Frost, Gilbert
Chris Ochs, Glendale
David Iwanski, Goodyear
Greg Brown for Bill Haney, Mesa
Stephen Bontrager, Peoria
Robert Hollander, Phoenix

Rich Williams Sr., Surprise
David McNeil, Tempe
Kevin Chadwick, Maricopa County
* John Boyer, Pinnacle West Capital
* Ray Hedrick, Salt River Project
Erin Taylor, U of A Cooperative Extension
* Michael Byrd, Salt River Pima-Maricopa
Indian Community
Diandra Benally for Carole Klopatek, Fort
McDowell Yavapai Nation
Glenn Stark, Gila River Indian Community

*Those members neither present nor represented by proxy.
#Attended by telephone conference call.

OTHERS PRESENT

Julie Hoffman, Maricopa Association of
Governments
Patrisia Magallon, Maricopa Association of
Governments

Roger Greaves, Burns & McDonnell
Bob Schulz, Burns & McDonnell
Jessica Marlow, Town of Cave Creek
David Johnson, Town of Buckeye
Melissa Gonsalves, Atwood Reporting Service

1. Call to Order

A meeting of the MAG Water Quality Advisory Committee was conducted on Monday, June 23, 2008. Roger Klingler, City of Scottsdale, Chair, called the meeting to order at approximately 4:00 p.m. Greg Brown, City of Mesa; Dave Emon, City of El Mirage; Stephen Bontrager, City of Peoria; Lori Brown, Town of Buckeye; Jacqueline Strong, City of Chandler; Lonnie Frost, Town of Gilbert; Chris Ochs, City of Glendale; and David Iwanski, City of Goodyear, attended the meeting via telephone conference call.

Chair Klingler introduced Glenn Stark, Gila River Indian Community, as a new member of the MAG Water Quality Advisory Committee.

2. Agenda Announcements

Chair Klingler provided an opportunity for member agencies to report on activities of interest in their agencies.

3. Call to the Audience

Chair Klingler provided an opportunity for members of the public to address the Committee on items not scheduled on the agenda that fall under the jurisdiction of MAG or items on the agenda for discussion but not for action. No members of the public indicated that they wished to address the Committee.

4. Approval of the May 22, 2008 Meeting Minutes

The Committee reviewed the minutes from the May 22, 2008 meeting. Bob Hollander, City of Phoenix, moved and David McNeil, City of Tempe, seconded, and the motion to approve the May 22, 2008 meeting minutes carried unanimously.

5. Public Hearing-Draft MAG 208 Water Quality Management Plan Amendment for the Town of Cave Creek Water Reclamation Facility

Chair Klingler opened the Public Hearing on the Draft MAG 208 Water Quality Management Plan Amendment for the Town of Cave Creek Water Reclamation Facility (WRF). He indicated that the hearing would begin with a briefing on the project, followed by an opportunity for hearing participants to make comments on the draft 208 plan amendment for the public record. He added that a Court Reporter was present to provide an official record of the hearing and written comments were also welcome. Chair Klingler invited members of the public wishing to provide comments to fill out a yellow card and submit it to MAG staff.

Roger Greaves, Burns & McDonnell, provided a briefing on the Town of Cave Creek MAG 208 Plan Amendment. Mr. Greaves discussed the location of the Town and the Cave Creek Water Reclamation Facility. He stated that the population in the Town will rise to approximately 10,000 by the year 2030 which is the planning period for the facility. Mr. Greaves added that based on that population, the proposed amount of wastewater is anticipated to be approximately 1.8 million gallons per day (mgd) by the year 2030. He mentioned that the existing Cave Creek Wastewater Treatment Plant is a small package plant located in the middle of the Town. Mr. Greaves indicated that the existing facility is in the middle of a residential area and borders the Rancho Manana Golf Course. He commented that the Cave Creek Wastewater Treatment Plant was installed in 1998 with an original capacity of 0.233 mgd; however, the current permitted capacity is 0.133 mgd due to the high BOD and TSS loadings. He stated that Maricopa County derated the capacity. Mr. Greaves added that the existing plant has an Aquifer Protection Permit and an Arizona Pollutant Discharge Elimination System (AZPDES) permit. He indicated that the plant discharges 100 percent of the effluent to the golf course for irrigation and has a current average day flow of 0.13 mgd. Mr. Greaves mentioned that the existing facility will be decommissioned.

Mr. Greaves stated that the new Cave Creek Water Reclamation Facility is proposing an initial capacity of 0.75 mgd with an ultimate capacity of 2.25 mgd, which is 20 percent above the anticipated flow. He added that the new Cave Creek WRF will have an initial disposal to the Rancho Manana Golf Course. Mr. Greaves indicated that the Cave Creek WRF will also apply for an additional AZPDES permit for emergency discharge to the Galloway Wash, which is tributary to Cave Creek Wash. He commented that Cave Creek has an existing permit that allows emergency discharge from the golf course ponds to the Galloway Wash. Mr. Greaves added that Cave Creek anticipates applying for the AZPDES permit to allow that discharge due to the higher capacity with the new facility. He stated that dewatered biosolids will be put into a landfill. Mr. Greaves indicated that the new Cave Creek WRF will consist of an influent pump station, mechanical screen, grit

removal, sequencing batch reactor, tertiary filtration and chlorination/dechlorination. Mr. Greaves added that the effluent will be pumped to the golf course. He stated that the solids will go to a sludge holding tank, be dewatered, and then go into a landfill.

Mr. Greaves indicated that the Cave Creek WRF will have full odor control of all buildings and the basins will be covered and odor controlled. He mentioned that there will also be a standby power generator and the noise control will be handled through berms and enclosures around the site. Mr. Greaves added that all of the components will be enclosed within buildings or within basins. He commented that a trunk line sewer will be constructed from the existing wastewater treatment plant to the new facility. Mr. Greaves mentioned that the reclaimed water will then be pumped back up to the golf course. He discussed the Cave Creek WRF site plan. Mr. Greaves showed the locations of the administration facility, headworks facility, aeration blower room, dewatering facility, SBR tanks and the sludge holding tank. He also presented the locations of the post equalization basin, tertiary filters, chlorine contact basin, effluent pump station and the public works facilities.

Mr. Greaves discussed the rendering of the proposed facility. He mentioned that within the facility, labs will be available to the Town for testing of the water and wastewater. Mr. Greaves commented on the locations of the headworks facility, blower room, dewatering facility, SBR tanks, chlorine contact basin and the odor control systems. He stated that the first phase of the project will be to construct a 0.75 mgd capacity facility and have it operational in October 2009. Mr. Greaves added that phases 2 and 3 will increase the facility to 1.5 mgd and 2.25 mgd, respectively. He commented that the facility expansions will be undertaken as development requires by the Town. Mr. Greaves indicated that the Town has undertaken the design/build/operate (DBO) process. He mentioned that the team of Garney Constructors, Burns & McDonnell, and Arizona American were chosen for the DBO. Mr. Greaves stated that Arizona American will operate the first phase of the WRF for the first two years. He added that after the two years, the Town can choose to continue operations with Arizona American or use Town staff to operate the facility.

Mr. Greaves discussed the permitting process and financing for the facility. He indicated that the first phase will be financed through a Town bond election which has been passed. Mr. Greaves indicated that the Town is in the process of obtaining Water Infrastructure Finance Authority of Arizona (WIFA) funding. Jessica Marlow, Town of Cave Creek, stated that WIFA funding has been approved; however, the Town has not yet received the funds from WIFA. Mr. Greaves mentioned that the loan will be repaid by user fees, connection fees, development fees and sales tax revenue.

Chair Klingler provided an opportunity for the Committee to discuss or ask any questions while the public hearing was open. He also stated that members of the public wishing to speak should fill out a card and submit it to MAG staff. Hearing none, he then closed the public hearing and requested that the Court Reporter end the transcription.

6. Draft MAG 208 Water Quality Management Plan Amendment for the Town of Cave Creek Water Reclamation Facility

Chair Klingler indicated that the Committee is requested to recommend approval of the Draft MAG 208 Water Quality Management Plan Amendment for the Town of Cave Creek Water Reclamation Facility. He provided an opportunity for questions from the Committee.

Mr. Hollander inquired about the discharge location for emergencies. Mr. Greaves responded that the existing plant discharges to the golf course ponds. He added that if for some reason the golf

course does not use all of the water for irrigation during a rain event, there is an overflow structure at the golf course which allows the reclaimed water to go into the Galloway Wash. Mr. Greaves noted that this discharge location would remain unchanged. Chair Klingler inquired if discharge was frequent during rain events. Mr. Greaves replied that there has not been a discharge in at least five years.

Rich Williams, City of Surprise, moved to recommend approval of the Draft MAG 208 Water Quality Management Plan Amendment for the Town of Cave Creek Water Reclamation Facility. Mr. Hollander seconded and, with no further discussion, the motion passed unanimously through a roll call vote.

7. Call for Future Agenda Items

Chair Klingler asked for suggestions on future agenda items. With no further comments, Chair Klingler thanked the Committee for participating and called for adjournment of the meeting at 4:20 p.m.