

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

Wednesday, November 15, 2000  
MAG Office Building  
Phoenix, Arizona

MEMBERS ATTENDING

Roger Klingler, City of Scottsdale, Chairman  
Robert Hollander, City of Phoenix  
David McNeil, City of Tempe  
Ray Hedrick, Salt River Project  
Gene Cetwinski, Valley Forward  
Association  
Patrick Clay, U of A Cooperative  
Extension Service  
John Power, Maricopa Environmental  
Services Department  
\*Lonnie Frost, Town of Gilbert

Dave Siegel, City of Chandler  
Chris Zapata, City of Glendale  
Kevin Kadlec, City of Peoria  
Eugene Jensen, Citizen  
Representative  
Dale Alimena for Bill Haney,  
City of Mesa  
\*Esmeralda Avila, City of Avondale  
\*Laura Watson, Citizen Representative  
\*John Boyer, Pinnacle West Capital  
\*Elaine Arena, Elaine Arena Associates

\*Those members neither present nor represented by proxy.

OTHERS PRESENT

Cato Esquivel, City of Goodyear  
Steve Owen, Pacific Environmental  
Resources Corporation  
Dave Ellis, Litchfield Park Service  
Company  
Todd Tupper, SunChase  
James Matthews, Pacific Advanced  
Civil Engineering/LPSCo  
Don Bush, Pacific Environmental  
Resources Corporation/LPSCo

Johan Perslow, Pacific Environmental  
Resources Corporation/LPSCo  
Jerry Ellsworth, SunCor Development  
Steve Davis, Black & Veatch  
Yvette Howard, Patterson Development  
Bill Stephens, Phoenix, Scottsdale & Tour  
Sports Author  
David Stansil, University of Washington  
Brenda Geisen, Maricopa Association of  
Governments

1. Call to Order

A meeting of the MAG Water Quality Advisory Committee was conducted on Wednesday, November 15, 2000 at 4:00 p.m. Roger Klingler, Chairman, City of Scottsdale, called the meeting to order.

2. Approval of the September 26, 2000 Meeting Minutes

The Committee reviewed the minutes from the September 26, 2000 meeting. Dale Alimena for Bill Haney, City of Mesa, indicated that on page eight, agenda item number six, paragraph six “the roadside landscape along the Red Mountain Freeway and on” should be stricken from the minutes. Mr. Alimena stated that the City of Mesa does not currently provide reclaimed water for roadside landscape along the Red Mountain Freeway. Mr. Alimena moved, and Robert Hollander, City of Phoenix, seconded and it was unanimously carried to approve the minutes from the September 26, 2000 meeting as revised.

3. Public Hearing - Draft MAG 208 Water Quality Management Plan Amendments for the City of Goodyear/Litchfield Park Service Company (LPSCo) Palm Valley and Sarival Water Reclamation Facilities and for the City of Goodyear South Planning and Service Area

Chairman Klingler indicated that agenda item number three is for information and a public hearing on the Draft MAG 208 Water Quality Management Plan Amendments for the City of Goodyear/LPSCo Palm Valley and Sarival Water Reclamation Facilities and for the City of Goodyear South Planning and Service Area.

Brenda Geisen, MAG, provided an overview presentation on the Draft MAG 208 Water Quality Management Plan Amendment for the City of Goodyear/LPSCo Palm Valley and Sarival Water Reclamation Facilities.

Dave Ellis, LPSCo, provided a presentation on the Draft 208 Plan Amendment, and indicated that he was available to answer general questions. He indicated that, following the presentation, Johan Perslow and Jamie Matthews, from PERC, and David Stansil, University of Washington, and Jerry Ellsworth, SunCor Development, would be available to answer technical questions.

Mr. Alimena inquired if LPSCo had addressed an inquiry raised by Bill Haney, City of Mesa, in the September 26, 2000 Water Quality Advisory meeting regarding no determination of the method to be used for odor control, despite the fact that facility design was nearly complete.

Mr. Matthews indicated that LPSCo is currently designing around a fairly new activated carbon system used by Calgon Carbon. He indicated Calgon Carbon has had great success with the product for four years in both Nevada and California. He indicated that LPSCo has chosen the Phoenix System for its effectiveness in reducing operational costs while treating odor emissions.

Mr. Alimena inquired whether the odor control facilities would be located underground or above ground.

Mr. Matthews indicated that the Sequencing Batch Reactor basins have parallel trains. He indicated that the head works is completely contained, and that the press room would have odor control units installed inside the building to eliminate any visual aesthetic problems commonly associated with big tower scrubber units. Mr. Matthews indicated that odors forced into the tanks through negative pressure would be exhausted through the roof systems.

Mr. Alimena inquired whether this portion of the design plan had been firmly decided upon.

Mr. Matthews indicated that this portion of the design plan has been firmly decided upon and is included in the preliminary design report.

Mr. Alimena noted that, in the disinfection, the design included prechlorination with a UV at the end.

Mr. Matthews confirmed that the current design allows for prechlorination. He indicated that prechlorination and ozone contact prior to filtration would allow LPSCo to maintain the filters in optimum condition and UV disinfection on the outlet of the plant.

Eugene Jensen, Citizen Representative, indicated a desire to make a concern he had raised at the September 26, 2000 Water Quality Advisory Committee meeting and in a letter submitted Jan Brewer, Maricopa County Supervisors, and MAG, a matter of public record. The concern was in regard to how the effluent would be disposed of in the event of mechanical or biological failure. Mr. Jensen indicated the wastewater treatment facility should be designed to avoid accidental discharge into the Agua Fria River, and that it should be noted that there is discussion of upgrading the river.

Chairman Klingler indicated that the letter submitted by Mr. Jensen had been distributed to each of the committee members, and asked if there were any further comments on the letter.

Mr. Matthews indicated that all mechanical equipment would be designed to have redundant pieces of equipment installed throughout the treatment plant. Mr. Matthews discussed how the plant would handle a typical upset, such as a toxic shock resulting from a chemical spill into the sewer system. He indicated that redundant equipment, and UV disinfection, in combination with ozone and chlorine, would guarantee a safety factor for the public in the event of a discharge. Mr. Matthews indicated that, at the point of discharge, the operator would have at least three or four options to make sure the quality of the water is maintained.

Gene Cetwinski, Valley Forward Association, reiterated Mr. Jensen's question. He inquired how much effluent storage the facility would have.

Mr. Matthews indicated that storage at the golf course sites would be six to seven days at 4.1 million gallons per day (mgd). He also indicated that three or four other golf courses were currently accepting effluent, and other golf courses are proposed.

Mr. Cetwinski inquired whether the LPSCo also plans to utilize the proposed golf courses for effluent storage.

Mr. Matthews indicated the proposed golf courses would be used for storage and groundwater recharge as a secondary point of discharge. He also indicated that LPSCo is also working with Roosevelt Irrigation District. He noted that water may be backed down through the system to the sat sites of the city or discharged through a NPDES permit.

Mr. Cetwinski inquired whether plans currently exist for a NPDES discharge.

Mr. Matthews indicated that a NPDES discharge would be an option, but the golf courses and effluent recharge area would be the primary points of discharge.

Chris Zapata, City of Glendale, inquired how far away the facility would be from the Agua Fria River.

Mr. Matthews indicated the facility would be located about two miles from the Agua Fria River.

Mr. Zapata inquired as to how a discharge would occur and how material would get to the river.

Mr. Ellis indicated that the most logical route from the facility to the Agua Fria River would be east on McDowell to the river. He indicated that the facility would be within a quarter mile or two miles of the river.

Mr. Zapata inquired if, as a fourth option, LPSCo would construct a line to get to the river.

Mr. Ellis indicated that this is correct.

Chairman Klingler indicated that two cards requesting an opportunity to present public comment to the Committee were received.

Bill Stephens, Phoenix, Scottsdale & Tour Author, indicated that he is in favor of the 208 program. He indicated that Arizona should store its Central Arizona Project allotment. He proposed that Arizona use the Agua Fria River and Tempe Town Lake for storage or replenishment of groundwater. Mr. Stephens requested that the Committee members get together with their managers and mayors to get projects done. He indicated that Arizona should look out for the environment as they prepare to build the new stadium complex and other construction projects.

Yvette Howard, Patterson Development, indicated that the company opposes plans for the Palm Valley facility to be located across the street from their office. She indicated that two letters were submitted to the City of Goodyear. She indicated that Patterson Development would like to see the proposed facility located further north into the golf course, rather than being located on McDowell Road.

Chairman Klingler inquired whether Mr. Ellis would like to respond to the Patterson Development comment.

Mr. Ellis indicated that the general topography in the area is that flows are from the northeast to the southwest, and LPSCo took a look at the sites available. He indicated that the facility would infringe on the golf course, and there would be no ability to move it further north into the golf course area. He indicated that LPSCo has gone to a great extent and expense to include a park and water feature and to set the facility back as far off McDowell Road as possible. Mr. Ellis indicated that the Palm Valley facility would eliminate an existing McDowell Road lift station which currently gives LPSCo problems.

Kevin Kadlec, City of Peoria, inquired whether there were plans to include buffering landscape around the facility.

Mr. Matthews referred to the site plan and indicated that buffering landscape and a water feature would be included.

Chairman Klingler indicated that the public hearing would now turn to the Draft MAG 208 Amendment for the City of Goodyear South Planning Area.

Ms. Geisen provided an overview presentation on the MAG 208 Plan Amendment for the City of Goodyear South Planning Area.

Steve Davis, Black & Veatch, provided a presentation on the Draft 208 Plan Amendment.

Robert Hollander, City of Phoenix, inquired about the fate of the Waterman Basin facility after the Lum Basin and Corgett Basin facilities have reached full capacity, but before the Waterman Basin facility has reached its full capacity.

Mr. Davis indicated that, during the interim, sludge would be pumped from the Corgett Basin facility to the Lum Basin facility. Part of the sludge may be finished at an off-site location where it would undergo composting or further drying and stabilization. He indicated that long term plans include a regional permanent facility.

Mr. Hollander inquired whether there would be mechanical solids handling facilities during the interim.

Mr. Davis indicated that, during the interim, there would be a degree of mechanical treatment at the Lum Basin facility and that a portion may be trucked to the City of Goodyear's existing 157<sup>th</sup> Avenue plant.

Mr. Zapata inquired if there would be a rate differential for the area served by the existing Goodyear 157<sup>th</sup> Avenue facility.

Mr. Davis indicated there would be costs associated with the infrastructure, and disparity may exist in different areas.

Chairman Klingler asked if there were any additional comments from the public. No additional comments were presented and Chairman Klingler closed the Public Hearing on the Draft MAG 208 Plan Amendment for the City of Goodyear/LPSCo Palm Valley and Sarival Water Reclamation Facilities and for the City of Goodyear South Planning Area.

4. Draft MAG 208 Water Quality Management Plan Amendment for the City of Goodyear/LPSCo Palm Valley and Sarival Water Reclamation Facilities

Chairman Klingler indicated that this item was for information, discussion, and possible recommendation to approve the Draft MAG 208 Water Quality Management Plan Amendment for the City of Goodyear/LPSCo Palm Valley and Sarival Water Reclamation Facilities.

David McNeil, City of Tempe inquired about the specific nature of the objection presented during the public hearing by Yvette Howard.

Ms. Howard indicated that there was a general objection to the idea of a wastewater treatment facility being located in proximity to the Patterson Development business site, as this may deter future buyers.

Chris Zapata, City of Glendale, moved to recommend approval of the Draft MAG 208 Water Quality Management Plan Amendment for the City of Goodyear/LPSCo Palm Valley and Sarival Water Reclamation Facilities. Dave Siegel, City of Chandler seconded, and it was unanimously passed by the Committee.

5. Draft MAG 208 Water Quality Management Plan Amendment for the City of Goodyear South Planning and Service Area

Chairman Klingler indicated that this item was for information, discussion, and possible recommendation to approve the Draft MAG 208 Water Quality Management Plan Amendment for the City of Goodyear South Planning and Service Area. He also indicated that Steve Davis, Black & Veatch, was available to answer questions about the facilities.

Mr. Alimena inquired whether the City of Goodyear is positive they won't have biosolid treatment at the Corgett Basin and Lum Basin facilities over the long term. He indicated that, from his experience, it is good to leave options open.

Mr. Davis indicated that biosolid treatment would not be an option at the Corgett Basin facility. He indicated that the Draft 208 Plan Amendment identifies biosolids handling at

the Lum Basin facility, at least during the interim construction period for the Waterman Basin facility. Mr. Davis inquired as to how a change to the Draft 208 Plan Amendment at this point may affect the timing of the approval process.

Brenda Geisen, MAG staff, indicated that the answer would depend on the type of change being made. She indicated that the Draft 208 Plan Amendment has been made available for public review. If a change made at this point were argued to be a material change, the public participation process may have to be re-initiated to include the new information for public review. Ms. Geisen inquired as to what the City of Goodyear would like to do in this case.

Cato Esquivel, City of Goodyear, re-iterated Mr. Davis's statement that plans for biosolids handling at the Lum Basin facility, at least during the interim period, have been identified in the Draft MAG 208 Plan Amendment. Mr. Esquivel indicated that Goodyear is concerned with the timing of the approval process, and Goodyear would not want to make a change to the Draft 208 Plan Amendment if it could result in starting the public participation process over again.

Dale Alimena moved to recommend approval of the Draft MAG 208 Water Quality Management Plan Amendment for the City of Goodyear South Planning and Service Area. Dave Siegel seconded, and it was unanimously passed by the Committee.

6. Call to the Public

An opportunity was provided to members of the public to address the Water Quality Advisory Committee. No comments were presented.