

HAYDEN/WINKELMAN WASTEWATER CONSOLIDATION
Treatment Options
from March 12, 2008

The CAAG Environmental Planning Committee (EPC) met on March 12, 2008 to discuss options for wastewater treatment in the Hayden/Winkelman area.

Items to be noted:

- ◆ ADEQ through the 208 program highly encourages Regional wastewater facilities, rather than numerous, smaller plants. CAAG also has this identified in the Areawide Water Quality Management Plan
- ◆ CAAG, through EPC, currently requires new facilities, or significant upgrades to facilities, to treat effluent to A+ quality, and implement beneficial reuse and/or recharge
- ◆ CAAG implements these standards through the AWWQMP. Although the A+ quality effluent and reuse/recharge standards have not been formally commemorated in the plan ...
 - The standards have been *de facto* implemented through previous amendments
 - EPC is currently working to develop a new set of standards to be adopted by Regional Council
- ◆ There are two significant steps in the approval process
 - Jurisdictional acceptance: any potentially affected jurisdiction must provide a letter of support or no objection prior to the amendment going through the review process. In essence, CAAG does not begin the review of a plan until all jurisdictions are in agreement.
 - Committee review: After CAAG does a review, it goes to committees, first of them being EPC. They deliberate the merits of the plan, and send a recommendation to Regional Council.
- ◆ The communities involved had been referred to EPC to look for options. The Committee, nor any of the local jurisdictions, can begin to make a decision until a 208 amendment is submitted.

Wastewater Treatment Options:

At the March 12th meeting, numerous options were proposed. The Committee has asked that these options be listed, and the Towns do a rough cost estimate for each option, in an effort to help the communities determine what would work best, and what kind of funding will be required. Gila County has offered to assist the communities in finding funding, where possible.

These options are in no particular order or level of importance.

- ◆ Hayden Package Plant
 - Small treatment works, approximately 70,000 gpd
 - A+ quality effluent
 - Treated effluent discharged into tailing/holding pond

- ◆ Hayden/Winkelman integration
 - Force mains to feed Hayden influent into Winkelman WWTF
 - Winkelman WWTF upgraded to produce A+ quality effluent
 - Winkelman WWTF capacity possibly expanded to 150,000 gpd or more
 - Effluent options (take each separately, or integrate any/all):
 - ◆ Discharge into Gila River
 - ◆ Effluent storage facility
 - ◆ Beneficial reuses (e. g. golf course, ball park, football field, etc. irrigation)
 - ◆ Pump effluent to ASARCO tailings/holding pond

- ◆ Phase-approach integration
 - Immediate Hayden/Winkelman wastewater integration
 - Keep status quo temporarily
 - Plan for upgrades – lay out changes
 - Implement plan when increased capacity is imminent (change in population/consumption)
 - Plans could be anything from above

This is a condensed list of discussion from this meeting. When developing costs, look at cost of B+ and A+ effluent.