

# **SUMMARY OF FACTS AND OPINIONS**

**SCOTT WONDERS, P.E.**

M3 Water Right Application

November 26, 2008

I am prepared to testify concerning the following matters and express the following opinions in this case.

## **Infrastructure Plans / Costs**

1. History of the work done on the project to date.
  - Site Planning
  - Preliminary Engineering
  - Water / Wastewater Systems
2. Timeline and steps necessary in the design process to get to water and wastewater system construction
3. System being designed to be a centralized public water supply system for the development in the M3 Project area. System is not being designed to serve other areas or uses.
4. The M3 Eagle lands (approximately 6,000 acres) provide ample room and suitable sites for all infrastructure contemplated.
5. Stanley is in the process of obtaining the seismic and soil stability analyses, as well as other technical and scientific information necessary to construct and operate infrastructure on the development.
6. Current cost estimates.
7. History of timely payment from M3 Eagle
8. Status and explanation of the DEQ permitting process for wastewater treatment and reuse.

## **Water Demand Support**

1. M3 Eagle's projected residential water usage compared with that in surrounding communities.
2. Comparisons with Stanley's experience in the industry.
3. Opinion that all M3 Eagle's projected water usage amounts are reasonable and consistent with current data and direct experience with water system sizing.

## **Wastewater Reuse System**

1. Description of the proposed M3 Eagle effluent reuse program.
  - Amounts of reuse generation per year at FBO.
  - Proposed Treatment Plant System
  - Class A / Class B reuse requirements from DEQ.
  - Effluent storage over the winter
  - Ability to use effluent on some surface-irrigated lands as necessary.
  - Operational requirements (professional operation)

2. Overall project schematic, including storage tanks, storage lakes and depiction of irrigated areas and commercial and residential use areas. Location for waste water treatment plant (WWTP). How the reuse storage/distribution system will work, including tie-in to non-potable irrigation supply system so that surface-irrigated areas can receive reuse water if necessary.

3. The types and amounts of irrigated acreage. The overall acreages are generally calculated on the high side (such as 120 irrigated acres for a golf course) to ensure the application will cover all irrigation needs.

4. Irrigation efficiencies, xeriscape, drip irrigation, low angle spray nozzles to reduce wind drift/evaporation; rotation scheduling, and metering.

5. The use of potable water vs. reused effluent for irrigation. Show graph from WRA.