

## **MEMORANDUM**

**TO:** Governing Board Members

**FROM:** Chip Merriam, Deputy Executive Director, Water Resources

**DATE:** April 14, 2008

**SUBJECT:** Approve Water Use Permit Modification and Renewal Application 040202-3 for the City of Sunrise for the proposed water use demands with a 20-year duration and a temporary increase in allocation from the Biscayne Aquifer to meet projected demands over the next five years (Broward County)

### **SUMMARY**

Staff recommends approval of the modification and renewal of Water Use Permit 06-00120-W, for the City of Sunrise to withdraw the projected maximum allocation of 1,655 million gallons per month (MGM) and 16,215 million gallons per year (MGY), which equates to an average of 44.4 million gallons per day (MGD). The modification includes an increase of the annual allocation from 10,618 MGY as currently permitted, to a projected allocation of 16,215 MGY in the year 2013, which includes the addition of a Floridan Aquifer wellfield as an alternate water source utilizing reverse osmosis treatment at a rate of 15.3 MGD. The recommended Biscayne Aquifer allocation of 10,618 MGY, which equates to 29.09 MGD, represents the base condition according to the Regional Water Availability Rule. Staff also recommends a temporary allocation of an additional 730 MGY (2.0 MGD) from the Biscayne Aquifer until May 2013 while the Floridan aquifer wellfield and treatment plant are constructed.

### **BACKGROUND**

The City of Sunrise service area is located in the central portion of Broward County. The service area includes the City of Sunrise and portions of the City of Weston and the Town of Davie. The applicant plans to construct a wellfield and treatment plant that uses the Upper Floridan aquifer for its future supply. The plant will produce approximately 12.3 mgd of finished water and is scheduled to be completed by May 2013.

### **MFL RECOVERY and CERP ISSUES**

The recommended Biscayne Aquifer allocation for this renewal of 10,618 MGY (29.09 MGD) represents the base condition according to the Regional Water Availability Rule. A temporary allocation of 730 MGY (2.0 MGD) from the Biscayne Aquifer will be needed until May 2013. After May 2013, the Biscayne Aquifer allocation is reduced to the base condition and the increased demands will be met with withdrawals from the Floridan aquifer.

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