

## WATER CONSERV II DISTRIBUTION CENTER

17498 McKinney Road, Winter Garden, FL 34787

### FIELD TRIP LEADERS:

Phil Cross, Senior Project Manager, Water Conserv II, Woodard & Curran, Inc.  
David MacIntyre, Project Principal, PB Americas, Inc., Water Conserv II Water Resources Consultant

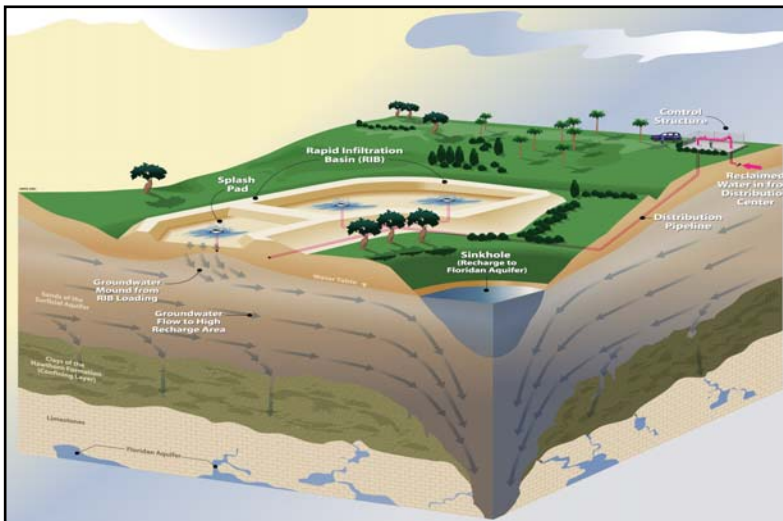


The field trip site is just a few miles west of Orlando. The tour will begin with a presentation in the Distribution Center conference room and continue with site visits to the Rapid Infiltration Basins (RIBs). Fieldtrip leaders are: Phil Cross, Senior Project Manager, Water Conserv II, Woodard & Curran, Inc. and David MacIntyre, Project Principal, PB Americas, Inc., Water Conserv II Water Resources Consultant.

Water Conserv II is the largest water reuse project of its kind in the world. It is the first reuse project in Florida permitted by the Florida DEP to irrigate crops produced for human consumption with reclaimed water. Jointly owned by the City of Orlando and Orange County, it has taken a liability (effluent previously discharged to surface water bodies) and turned it into an asset (reclaimed water) that benefits the City, the County, and the area's many customers. Water Conserv II is contract-operated by Woodard & Curran, Inc.



The system encompasses two water reclamation facilities connected by 21 miles of transmission pipeline to a distribution center. From the distribution center, a 70-mile pipeline network distributes reclaimed water to agricultural, commercial, industrial and residential customers.



Water Conserv II is designed to handle average flows of 50 mgd and peak flows of 75 mgd.

The facility is built over a natural sand ridge ranging in thickness from 30 to 300 feet. Beneath the sands are semi-permeable clays of the Hawthorne Formation. The Hawthorne acts as a barrier separating groundwater flow in the sands from deeper confined flow in the limestone and dolomite of the Floridan aquifer.

The reclaimed water that is not used for irrigation is distributed to Rapid Infiltration Basins (RIBs). The RIB network contains eight sites with 71 RIBs over a total of 3,725 acres. Each RIB has one to five cells for a total of 150. The RIB system has a permitted capacity of 29.20 mgd AADF.

For more information about Water Conserv II visit: <http://www.waterconservii.com/>