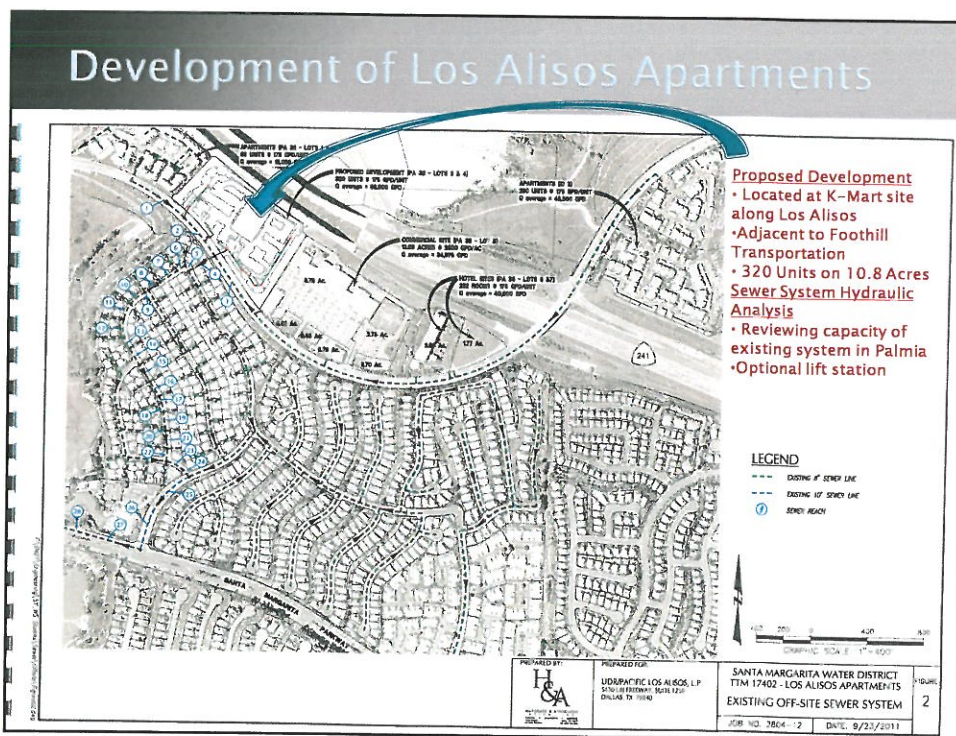


Mission Viejo Development Activity

Santa Margarita Water District
Engineering Committee Meeting
October 14, 2011



Water Information Management System (WIMS)

SMWD is the **First 100% Electronic Lab** in Orange County!



Santa Margarita Water District

Why WIMS?

- ▶ The District is responsible to regularly track 4,600 testing variables:
 - 8 stream or reservoir monitoring locations
 - 4 drinking water systems
 - 3 wastewater systems with regulatory and process testing
 - Numerous variable testing frequencies
 - A variety of cross-trained personnel
 - Operators, mechanics, inspectors and lab techs
- ▶ Automated test results can tie to operational data from the SCADA system
 - Analysis
 - Automated reporting



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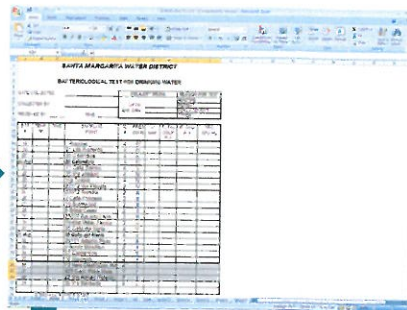
WIMS Implementation

- ▶ Phase I
 - Review of system and develop user “wish list”
 - Design of the database
 - Review with users and fine-tune
- ▶ Phase II
 - System migration “Excel to WIMS”
- ▶ Phase III
 - Develop custom reporting



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Going Electronic



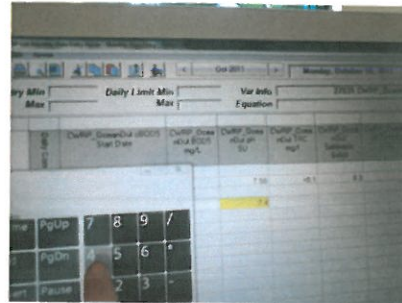
Paper → Excel
Excel → WIMS
Paper → WIMS
WIMS → iPad



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iPad, Touch Screens, & Compliance

- ▶ Instant Data Reports – No Lost Papers
- ▶ Instant Calculation – No Errors, Less Time, & Audit Ready



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Measurable Benefits

- ▶ No longer handling:
 - 50 pieces of paper/month = QA/QC & COCs
 - 50 pieces of paper/month = Drinking Water
 - 100 pieces of paper/month = Waste Water
- ▶ Eliminate redundant data entry, hand calculation checks, less printing, copying, and managing paper = 20 hours/month
- ▶ Provides a technology edge –
 - Ability to focus on treatment & management NOT on data shuffle & paper chasing



Santa Margarita Water District

Conclusion

- ▶ We have a goal to become 100% electronic by the end of December, 2011.
- ▶ We will be the FIRST Drinking Water/Wastewater Lab in Orange County to be 100% electronic!
- ▶ Thank you for investing in the Lab!



Santa Margarita Water District