

UC Davis Site-Specific EC Study

Issues and Considerations



Jim Martin
Ag Regulatory Planning Unit



Site-Specific EC Studies

- Requirement of many WWTP NPDES permits
- To set site-specific EC objective for receiving water
- For protection of agriculture in area using receiving water
- Downstream of discharge site

UC DAVIS EC Study Report (Grattan)

- Permit adopted in 2003
- Report submitted July 2004 (1100 EC)
- Staff response February 2005
- Several correspondences and meetings
- Permit renewed in 2008 – report due December 2012
- Remanded March 2010
- Report due December 2010

Grattan Model

- **Dynamic model - Daily time step**
- **Not peer reviewed**
- **< 110% protection**
- **0.6 in/mo bare soil evaporation**

Grattan Recommendation

1,100 $\mu\text{S}/\text{cm}$

Some Questions

- Is Grattan model acceptable?
- What percent crop protection is reasonable?
- What winter bare soil evaporation rate is appropriate?

Link to Grattan Report @

http://www.waterboards.ca.gov/centralvalley/water_issues/salinity/monthly_regional_coordination/index.shtml

Provide Comments By July 30

Jim Martin
11020 Sun Center Dr., Ste 200
Rancho Cordova, CA 95670

or

jmartin@waterboards.ca.gov

Revision of MAA

- View documents at:
http://www.waterboards.ca.gov/centralvally/water_issues/salinity/whats_new/index.shtml
- Written comments due **July 27**
Submit to: jmartin@waterboards.ca.gov
- Stakeholder meeting **August 5, 9:30 AM**