



## WATER RESOURCES RESEARCH GRANT PROPOSAL

**Project ID:** 2002CA4B

**Title:** Voluntary Compliance Versus Mandatory Sanctions: A Natural Experiment in Water Quality Regulation

**Project Type:** Research

**Focus Categories:** Water Quality, Law, Institutions, and Policy, Agriculture

**Keywords:** water quality, voluntary compliance, command-and-control, livestock, dairy

**Start Date:** 03/01/2002

**End Date:** 02/28/2003

**Federal Funds:** \$10,000

**Non-Federal Matching Funds:** \$15,495

**Congressional District:** 43

**Principal Investigator:**

Paul Sabatier

University of California, Davis campus

**Abstract**

Paul Sabatier PI

Dept of Environmental Science & Policy, Davis campus

email: pasabatier@ucdavis.edu

phone: 530-752-8898

The PI will share with 4 other PIs from California in the award allocation.

The research will evaluate the voluntary compliance approach to water quality regulation being practiced in the dairy and livestock industries in counties north of San Francisco Bay. It will explore the relative effectiveness of voluntary compliance versus mandatory sanctions and how compliance has improved water quality. It will explore which of the hypothesized mechanisms are important e.g. education and outreach, promoting an environmental ethic, trust-building. The research will include an original analysis of 9 years of water quality data and an original survey of all dairy and livestock producers in the region.