

**STATE WATER RESOURCES CONTROL BOARD
CLEANUP AND ABATEMENT ACCOUNT (CAA)
FUNDING REQUEST FORM**

Send the completed form and attached documentation to via mail or email to:
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APPLICANT INFORMATION

Agency Name: (maximum of 40 characters)	County of Monterey
Address:	Public Works Department 2 nd Floor 168 W. Alisal, Salinas CA 93901
Agency Phone Number:	(831) 755- 4878
Agency Representative:	Edward Muniz, Management Analyst II, Project Manager email: munize@co.monterey.ca.us
Region:	Central Coast Water Board
Region Representative:	Angela Schroeter
Representative Phone Number:	805-542-4644, aschroeter@waterboards.ca.gov

PROJECT INFORMATION

Name of Project:	San Jerardo Interim Treatment System	Project Start and End Dates:	July 2006 to August 2010
Project Location:	San Jerardo, CA		
Funding Amount:	\$543,826		

PURPOSE OF REQUEST

1) Purpose of Request (attach additional sheet if needed):

The County of Monterey is requesting funding for interim treatment of water for residents of the San Jerardo Housing Cooperative in rural Monterey County. The existing well produces water that far exceeds the State Maximum Contaminant level for nitrates and tests at 13 times the level requiring legal notification requirements for 1,2,3 Trichloropropane (TCP). Please refer to the attachments labeled Scope of Work and Project Budget.

2) Background:

The San Jerardo water system has been under a bottled water order for drinking water since 2001 and under Court Receivership since 2002. Subsequently, residents experienced rashes and hair loss due to skin contact with the well water upon bathing or showering. The Monterey County Board of Supervisors approved a plan to install an Interim Treatment System to address public health and safety concerns. The County entered into an Agreement with the Court appointed receiver as approved by the Court in July 2007 to install and operate an Interim Treatment System. The court ordered the owner of the system to pay a portion of the installation and ongoing operation. The unfunded balance is projected to be \$543,826.

3) Impact to community or surrounding areas in regards to water quality:

The San Jerardo Housing Cooperative is located in an agricultural area southeast of Salinas on 33 acres. It was the first housing cooperative in California for low income farmworker families. All surrounding properties are in agricultural production with some residential uses within 2 miles of the site. The Cooperative consists of 64 dwelling units, a community room, headstart facility and soccer field. Residents have been adversely impacted by poor water quality since 2001. The requested funding will allow the County to continue to provide potable water to these disadvantaged households until permanent water system improvements are complete.

4) What is the waste being addressed by this project?

The primary contaminants are high levels of nitrates and 1,2,3 Trichloropropane. Nitrates are commonly associated with agricultural production. Trichloropropane is a component of agriculture fumigants and is a suspected carcinogen. Long term agricultural production on nearby and adjacent properties may have contributed to ground water contamination.

5) List any responsible party:

The County and the Federal Court have not identified a responsible party as the source of contaminants found in the San Jerardo water supply. Also, the current owner of the water system was ordered to pay the County for the cost to install the Interim Treatment System and its operation for a period of time. It is unlikely that the Court will order further reimbursement for continued operation of the Interim Treatment System. The Court has reserved the right to impose civil penalties. However, there are no guarantees that future penalties would be provided for Interim Treatment or that such funds would be available when needed to continue the supply of potable water.

6) Will any of these funds be used for Regional Board oversight? YES NO

If YES, how much?

SUPPORTING DOCUMENTATION ATTACHMENTS

- Regional Board Resolution or proof of Regional Board support Attached
- Scope of Work Attached
- Project Budget Attached

State Board Decision for \$100,000 and Below:

Approved Denied

Deputy Director

Date

Deputy Director's Recommendation for Funding (over \$100,000):

Deputy Director

Date

Cleanup and Abatement Account
Scope of Work
County of Monterey
Interim Filtration Treatment System

BACKGROUND:

The purpose of the project is to remove potentially dangerous contaminants from the source of drinking water supply for the San Jerardo Housing Cooperative, in rural Monterey County. The water system serving the community is under receivership in federal court for violations of the federal Clean Water Act after a lawsuit was filed by Environmental Protection Agency (EPA). Monterey County contracted with the court appointed receiver to install and operate an interim filtration treatment system after residents reported rashes and hair loss from contact with well water. The receiver's engineer, in consultation with County Environmental Health, selected a treatment system from Seimens Water Technologies to address high levels of nitrates and 1,2,3 Trichloropropane in the water. Concurrently the County assumed a lead role in pursuing a permanent solution to this public health and safety issue. The federal court ordered partial reimbursement from Alco, the owner of the water system, for filtration system installation and operating costs.

Implementation of the permanent well and pipeline system has been delayed due to State fiscal constraints resulting in a freeze on bond financing for the project. Other financing has now been secured and construction is scheduled to begin by November or December. Completion with follow up testing is projected to finish during the summer of 2010.

INTERIM TREATMENT SYSTEM:

Seimens Water Technologies provided an Interim Treatment System consisting of a high pressure liquid phase absorption and dual activated carbon media for treatment of the Tricloropropane concentration to regulation levels. An additional unit containing ion exchange resin treats the nitrates. A nitrate analyzer was included to monitor nitrate

levels and detect when that resin required exchange. The system produces water that consistently tests within acceptable parameters.

CLEANUP AND ABATEMENT ACCOUNT FUNDING REQUEST:

Funding requested will allow the County to continue to provide potable water to the residents of San Jerardo while the permanent project is under construction. In addition, the County is requesting reimbursement for unfunded treatment expenses that the court is unlikely to order the system owner to pay. The cost breakdown is included in the attached Interim Treatment Budget. Additional detail regarding operating costs follows:

Operating Expenses			
<i>Cost Category</i>	<i>Average Monthly Expenses</i>	<i>Projected Expense July 2009-August 2010</i>	
MCSI contract-system operator	\$ 3,200	\$	44,800
Testing	\$ 480	\$	6,720
Maintenance	\$ 500	\$	7,000
Engineering	\$ 2,165	\$	30,310
Seimens - Rental	\$ 5,163	\$	72,282
Seimens-Treatment Materials	\$ 5,092	\$	71,288
Subtotal	\$ 16,600	\$	232,400

Other Expenses	
Filtration System Demobilization	\$ 11,000
Engineering / Construction Management	\$ 4,000
Project Administration and Closeout	\$ 25,000
Subtotal	\$ 40,000
Total	\$ 272,400

Notes Re Interim Filtration System costs:

To date, the County has incurred \$615,581.91 in Interim Filtration System costs, through, May 2009.

The Receiver has paid **\$368,940.78** to the County for Interim Filtration System costs incurred through October 2007.

Interim Filtration System costs, incurred by the County through **May 2009**, which have **not** been reimbursed to the County to date, are **\$246,641.13**. Interim Filtration System costs will continue to accrue, through project completion.

Currently, monthly Interim Filtration System costs have risen to approximately **\$16,600.00** per month and will continue to accrue through project completion.

The **new anticipated project completion date**, which was presented to the Board of Supervisors of the County of Monterey, by the Department of Public Works, on Tuesday, September 2, 2009, is on or about **August 2010**.

At the rate of **\$16,600** per month, from **July 2009** through **August 2010**, potential Interim Filtration System are estimated at \$232,400 (at \$16,600/month) through the **new anticipated project completion date of August 2010**.

**Cleanup and Abatement Account
Proposed Budget
San Jerado
Interim Treatment System**

Unreimbursed Filtration Costs through June 2009	\$	271,426
Projected Interim Filtration Costs July 2009-August 2010	\$	232,400
Filtration System Removal Expenses/ Demobilization	\$	11,000
Engineering/ Construction Management	\$	4,000
Project Administration and Closeout Expenses	\$	25,000
Total	\$	543,826