

APPENDIX B

TRI - REGIONAL BOARD STAFF

RECOMMENDATIONS

FOR PRELIMINARY INVESTIGATION AND  
EVALUATION OF UNDERGROUND TANK SITES

# REQUESTS FOR CLOSURE

1 MARCH 1994

Prepared by Staff of the  
Central Valley Regional Water Quality Control Board

*State of California*

**REGIONAL WATER QUALITY CONTROL BOARD**

**CENTRAL VALLEY REGION**

*Karl E. Longley, Chair*

*Hugh V. Johns, Vice Chair*

*Hank Abraham, Member*

*A. Vernon Conrad, Member*

*Ernie Pfanner, Member*

*Clifford C. Wisdom, Member*

*William H. Crooks, Executive Officer*

3443 Routier Road, Suite A

Sacramento, California 95827-3098

Phone: (916) 255-3000

CALNET: 8-494-3000

## DISCLAIMER

This publication is a technical report by staff of the  
California Regional Water Quality Control Board, Central Valley  
Region.

No policy or regulation is either expressed or intended.

REQUESTS FOR CLOSURE

1 MARCH 1994

## CLOSURE DOCUMENTATION

The minimum information required in the closure report includes:

1. Distance to production wells for municipal, domestic, agriculture, industry and other uses within 2000 feet of the site,
2. Site maps, to scale, of area impacted showing locations of former and existing tank systems, elevation contours, gradients, and nearby surface waters, buildings, streets, and subsurface utilities,
3. High and low ground water levels (below ground surface),
4. Tabulated results of all sampling and analyses,
5. Vertical and lateral concentration contours of contaminants found initially, and those remaining in soil and ground water, both on and off site,
6. Mass balance calculation of the substance treated versus that remaining,
7. Technology used to clean the site; if Best Available Technology (BAT) was not used, explain why,
8. Zone of influence calculated for the subsurface remediation system and the zone of capture attained for the soil and ground water remediation system,
9. Reasons why "background" was/is unattainable using BAT, and
10. Rationale why conditions remaining at the site will not adversely impact water quality, health, or other beneficial uses.

Additional information submitted such as risk assessments or fate and transport modeling, must include the assumptions used.

Upon review, if Board staff determines that the ClosureReport substantiates the request for closure, the remedial and monitoring activities may cease. Upon concurring with the closure request, Board staff will prepare a letter which summarizes the site conditions and includes the following:

"Based on the information provided, Board staff has determined [*and the Local Implementing Agency concurs,*] that appropriate response actions have been completed, that acceptable remedial practices were implemented, and that, at this time, no further investigation, remedial or removal action, or monitoring is required at [*Facility name and address*].

Nothing in this determination shall constitute or be construed as a satisfaction or release from liability for any conditions or claims arising as a result of past, current, or future operations at this location. Nothing in this determination is intended or shall be construed to limit the rights of any parties with respect to claims arising out of or relating to deposit or disposal at any other location of substances removed from the site. Nothing in this determination is intended or shall be construed to limit or preclude the Board or any other agency from taking any further enforcement actions.

This letter does not relieve the tank owner of any responsibilities mandated under the California Health and Safety Code and California Water Code if existing, additional, or previously unidentified contamination at the site causes or threatens to cause pollution or nuisance or is found to pose a threat to public health or water quality. Changes in land use may require further assessment and mitigation."

If you have any questions regarding this amendment, please call the Underground Tank Unit at (209) 445-5116 (Fresno), (916) 224-4845 (Redding), or (916) 255-3000 (Sacramento).

GORDON LEE BOGGS

Underground Tank

Program Manager

# CENTRAL VALLEY REGIONAL WATER QUALITY CONTROL BOARD

## STAFF

# RECOMMENDATIONS FOR CLOSURE REQUESTS

The Central Valley Underground Tank Program (Program) is implemented to achieve the goals of State policies, regulations, and procedures adopted by the State Water Resources Control Board and the Regional Board's Basin Plans. To provide consistency in the Program, the *Tri-Regional Board Staff Recommendations for Preliminary Investigation and Evaluation of Underground Tank Sites* and its Appendix A, both based on concepts originally developed in 1981 by the Central Valley Regional Board staff, are revised periodically to accommodate statutory, regulation and policy changes. Appendix A prescribes minimum report contents which are to be submitted for review and approval. Appendix A streamlines the process for investigation and cleanup of sites to assure the discharger that the remediation system proposed is appropriate for the site subsurface conditions.

Appendix B for site closure has been developed to complete the documentation process. Compliance with Regional Board's Appendix B is necessary before a request for closure may be submitted. The request must include signatures of registered individuals as required by the California Business and Professions Code. The purpose for a closure report is to provide a document upon which the regulator may make an objective decision regarding the requested closure. The closure report and the Board's summary closure letter will remain on file in the Regional Board office for public review.

Central Valley Regional Board staff recognize that total cleanup of a site, although generally possible, is not always feasible or warranted ("site" includes on- and/or offsite problems resulting from the release of underground storage tank contents). Therefore, **closure of a site may be unconditional** if the site has been remediated successfully, or **with conditions** that "no further action is required at this time" when total cleanup can not be achieved. **Regardless of the action requested, a closure report is required for Regional Board review.** The closure report is to document whether complete remediation of the site has been achieved, or that a "no further action" closure of a site is warranted and that some soil or ground water contaminants will remain.

The report must discuss the site history, existing conditions, and rationale why the site may be closed with contamination remaining. The rationale must include a finding about future impacts on water quality and health. The summary checklist is to be completed and submitted with the closure report by the Responsible Party(ies) or their designee. If it has been determined that only soil has been impacted, evidence substantiating the condition must be submitted.