ATTACHMENT E
ITEMS TO BE INCLUDED IN A CLEANUP PLAN

The outline below is a minimum requirement for items to be included and discussed in the text of all cleanup plans submitted to the Regional Board. All reports must be signed and stamped by a registered geologist, certified engineering geologist, or civil engineer registered or certified by the State of California. Other pertinent information specific to each individual investigation also should be included.

I. INTRODUCTION

A. Site Assessment and characteristics
Site Background
Site description and location
Site history
Historic and current operations conducted at the site correlated to site contamination
Existing and planned use of the site
Present and historic chemical usage and handling procedures
Site geology and hydrogeology
Condition of surface and/or subsurface soil
All previous investigations with reference to relevant documents

B. Nature and Extent of Soil and Groundwater Contamination
1. Constituents and concentrations, including background concentrations
2. Lateral and vertical extent
3. Site maps to show above, including locations of any groundwater monitoring wells relative to soil and groundwater contamination

II. SUMMARY OF SELECTED REMEDIATION ALTERNATIVE

Discussion of selected remedial alternative
Discussion of implementation of remedial alternative
Summary of field activities
Summary of bench-scale testing
Summary of aquifer testing
Remedial investigation results
Summary of remedial goals
Compliance with Federal and State regulations, if applicable

III. TREATMENT SYSTEM DESIGN AND IMPLEMENTATION

Conceptual Model/Remedial Design
Overview
Equipment selection and operation
System schematics (layout, instrumentation, and controls)
Treatment processes
Construction activities and utility requirements
Operation, maintenance and performance monitoring

Start-up sampling and performance monitoring
Sampling and analysis plan to demonstrate system effectiveness, performance optimization, and long-term operation with respect to achieving cleanup goals
Potential for off-site migration
Emission and discharge controls
Handling and disposal procedures
Quality assurance/quality control plan

IV. CLOSURE AND POST-CLOSURE MONITORING

Cleanup Strategy
Field sampling plan for closure and post-closure monitoring
Long-term operation and maintenance of remedial action measures, if any are needed

V. TIME SCHEDULE FOR IMPLEMENTATION AND REPORTING