SFUND RECORDS CTR
88077081

SFUND RECORDS CTR
1227-90434

EPA

Brown & Bryant Superfund Site

United States Environmental Protection Agency, Region IX, San Francisco

Arvin, California November 1993

# EPA Signs Record of Decision

The U.S. Environmental Protection Agency (EPA) has selected a cleanup alternative for contaminated soil and groundwater at Brown & Bryant Superfund site in Arvin, California. On November 8, 1993 EPA signed a Record of Decision (ROD) for the site. The ROD describes EPA's planned cleanup remedy for the Brown & Bryant site.

EPA's selected cleanup remedy includes consolidation of contaminated soil on the southern portion of the site, installation of a multilayered cap on the southern portion and a basic cap on the remainder of the site, and extraction from the shallowest groundwater, with treatment and reinjection of the treated groundwater.

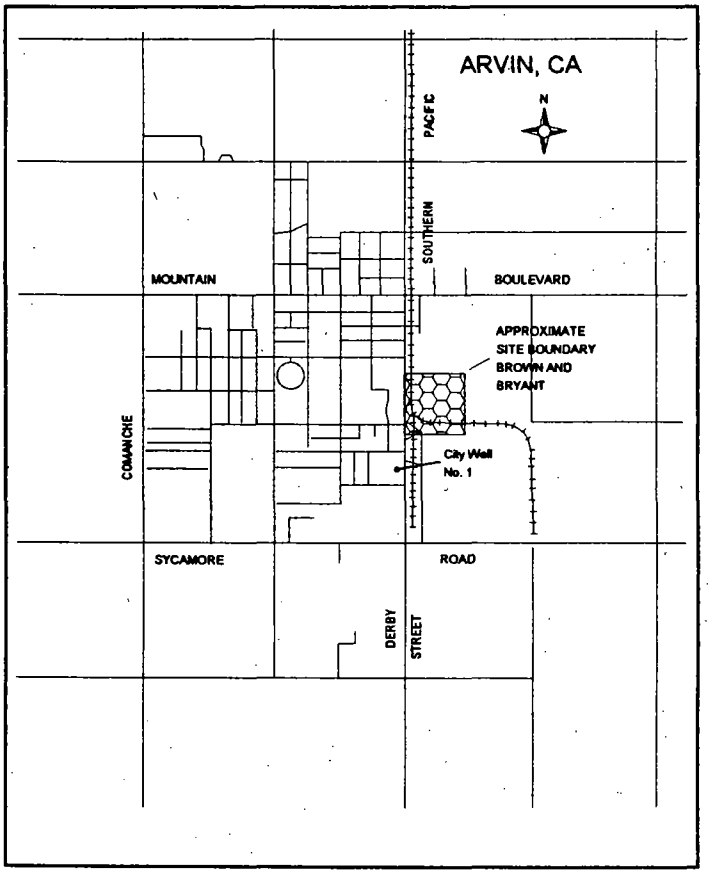



Figure 1: Map of the Brown and Bryant Site

## SITE BACKGROUND

The Brown & Bryant facility in Arvin was an agricultural chemical distributor from 1960 to 1988. Accidental spillage and inadequate disposal methods during this time caused soil and groundwater contamination. In 1984, the State of California issued an order to Brown & Bryant to investigate the scope of the contamination problem. Throughout the 1980s, the state directed Brown & Bryant to address soil contamination.

In October 1989, the site was placed on the Superfund National Priorities List (NPL). The NPL is the list of sites nationwide that are eligible for funding for investigation and cleanup under the federal Superfund program. Since 1990, EPA has been conducting site investigations and cleanup activities in accordance with Superfund procedures.

## DESCRIPTION OF CLEANUP ACTIVITIES

EPA identified several potential cleanup alternatives for the soil and groundwater contamination problems at Brown & Bryant. A detailed description of these alternatives can be found in the Brown & Bryant Proposed Plan and the Remedial Investigation/Feasibility Study available for review at the Beale Memorial Library in Bakersfield, CA. The methods chosen to address both the shallowest groundwater and soil contamination at Brown & Bryant are described below.

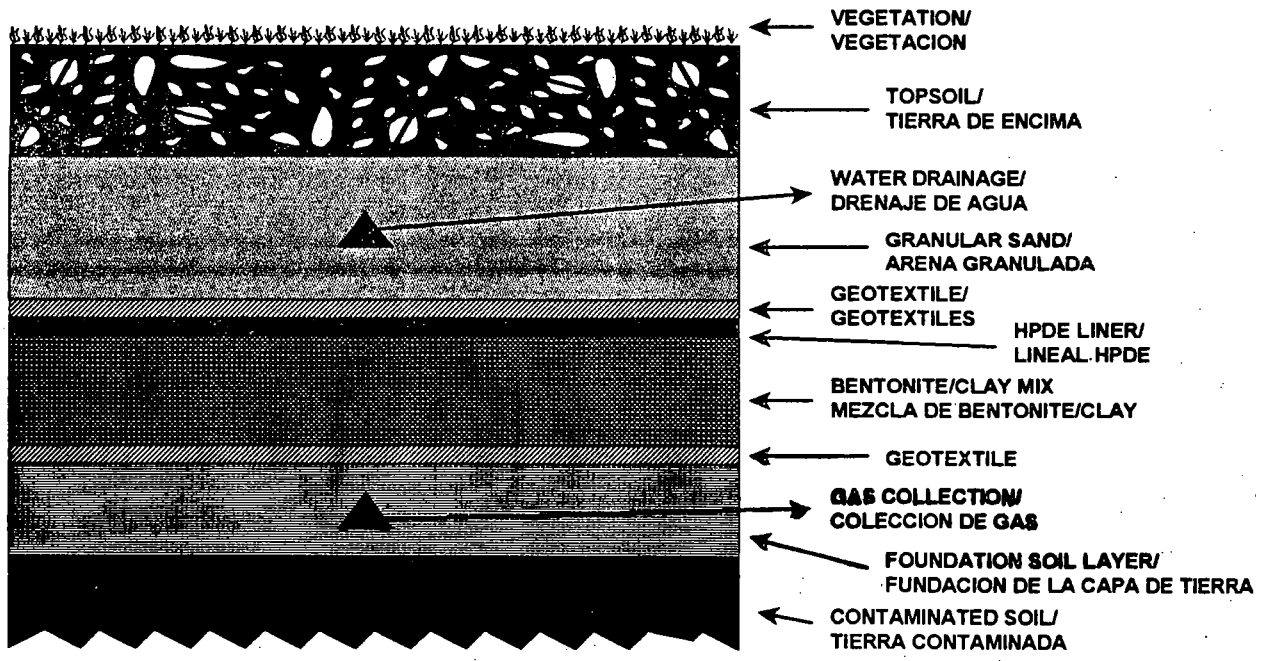
A Resource Conservation and Recovery Act (RCRA)-type cap will be placed on the southern portion of the site containing the sump and the waste pond, and a basic cap will be placed on the remaining property. Soil containing the pesticide dinoseb in excess of health-based standards will be consolidated on the southern acre of the site under the RCRA cap. The amount to be excavated and consolidated is relatively small, since the majority of the contaminated soil is already located in the southern portion of the site. The contaminated soil in the southern portion of the site will not be moved prior to placement of the cap. Included in the remedy is an injection and extraction system that would flush the A-zone groundwater and treat it using either UV/Oxidation, Granulated Activated Carbon (GAC) prior to reinjection, or both.

The final remedy is slightly different from the preferred remedy described in the Brown & Bryant Proposed Plan. Based on comments EPA received during the public comment period, the GAC Treatment will be evaluated to replace, or to be used in addition to, UV/Oxidation for treatment of the extracted water. Either technology will be designed to treat or remove contamination from the extracted groundwater, restoring it to drinking water standards before reinjection.

## Opportunities for Public Involvement

EPA will continue to maintain contact with the Brown & Bryant Superfund site community during the remedial design and remediation activities. Periodic fact sheets and news releases will be issued at benchmark times to describe progress at the site. Community meetings may be held as needed and community interviews will be conducted to update the site's Community Relations Plan. The Community Relations Coordinator, Angeles Herrera, should be the primary point of contact for public inquiry. She can be reached directly by calling (415) 744-2183 or through the EPA toll free line (800) 231-3075.

## RCRA - Cap / TAPA - RCRA




**This is an example of an average RCRA - Cap . Please note that the Brown & Bryant cap may vary in thickness and number of layers. / Este es un ejemplo de una tapa de average de rcra. Por favor fijese que la Tapa de Brown y Bryant puede variar en ancho y en el numero de capas.**

## How EPA Selected These Cleanup Actions

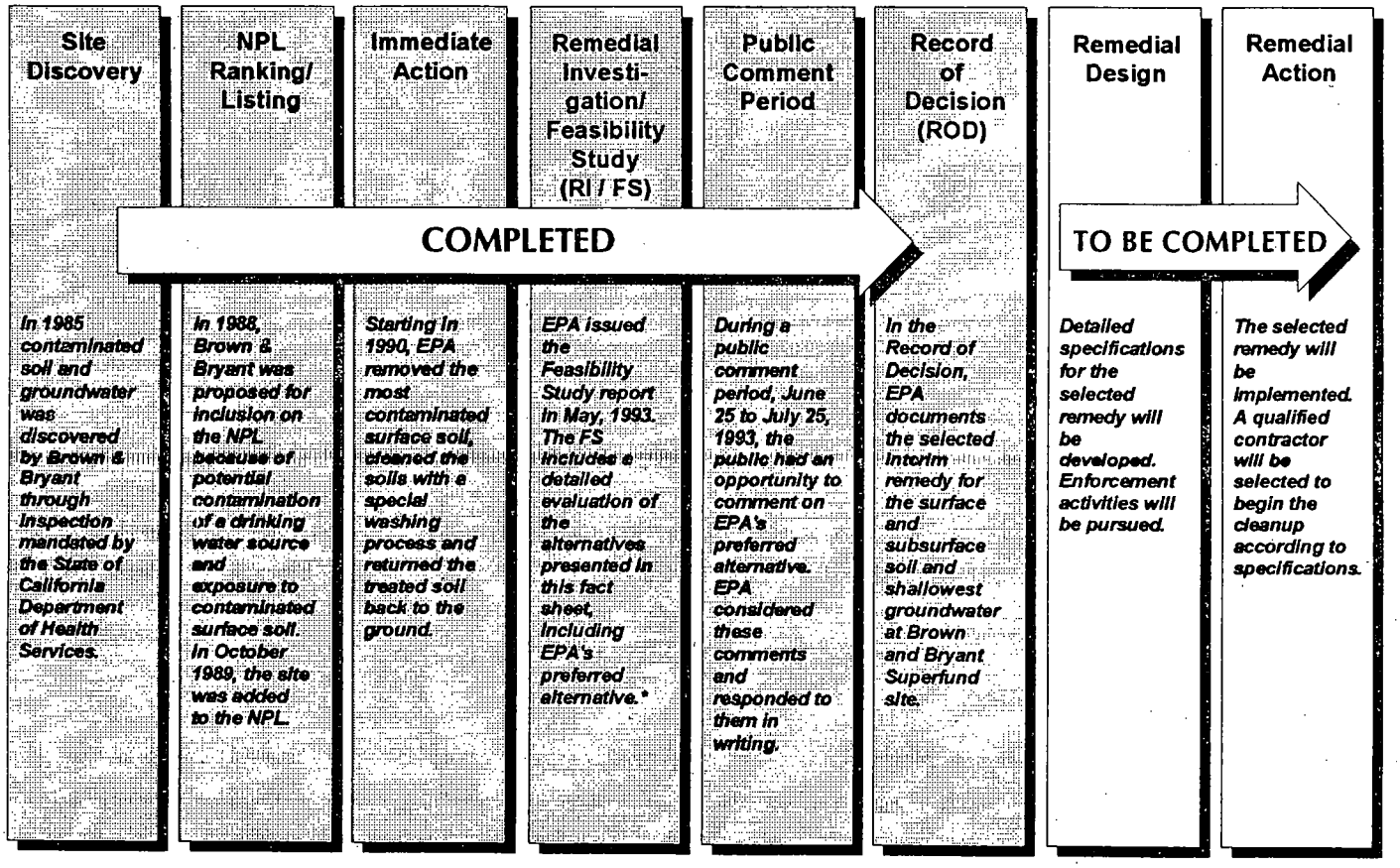
EPA selected the cleanup methods for addressing groundwater and soil contamination based on several factors, including the ability to protect human health and the environment, compliance with state and federal standards, cost effectiveness of the remedy, and state and community acceptance. EPA invited the public to comment on Brown & Bryant's Feasibility Study and EPA's Proposed Cleanup Plan during a 60-day public comment period (June 25 through August 25, 1993). During this period, community members from the Arvin area were invited to attend a public meeting to ask questions and comment on these documents.

A summary of comments and EPA's responses can be found in the Responsiveness Summary. This document is part of the Record of Decision (ROD) and is located in the reference section of the Beale Memorial Library in Bakersfield, CA.

## Next Steps

Now the ROD has been approved, EPA will begin the Remedial Design stage. During the Remedial Design stage, technical drawings and specifications are developed for the cleanup alternative selected in the ROD. After this stage is complete, actual construction of the cleanup alternative will begin (Remedial Action).

## THE SUPERFUND PROCESS




**Community Relations Activities Occur Throughout the Superfund Process**

**THIS FS IS FOR THE SURFACE AND SUBSURFACE SOIL AND SHALLOWEST GROUNDWATER (THE FIRST OPERABLE UNIT). IN SEPTEMBER 1992, EPA STARTED THE RI FOR THE DEEPER GROUNDWATER (THE SECOND OPERABLE UNIT).*

# For More Information

If you have questions about the Superfund cleanup at Brown & Bryant, please call or write EPA's Community Relations Coordinator for the site:

Angeles Herrera
U.S. EPA, Region 9
75 Hawthorne Street (H-1-1)
San Francisco, CA 94105
415/744-2183

You may also call EPA's toll-free Superfund hotline and leave a message. Your call will be returned. The hotline number is: 800/231-3075.

Documents for the Brown and Bryant Superfund Site are located in the information repository at:

Kern County Library
123 "A" St.
Arvin, CA 93203
(805) 854-5934

Beale Memorial Library
701 Truxtun Ave.
Bakersfield, CA 93301
(805) 231-3075
(Administrative Record)

United States Environmental Protection Agency
Region 9
75 Hawthorne Street (H-1-1)
San Francisco, CA 94105
Attn: Angeles Herrera

FIRST CLASS MAIL
U.S. POSTAGE
PAID
U.S. EPA
Permit No. G-35

Official Business
Penalty for Private Use,
$300

**Adentro: Información acerca actividades de limpieza en el sitio de Superfund Brown y Bryant**

**INSIDE: Update on activities at the Brown & Bryant Superfund Site**

*Printed on Recycled Paper*