



Brown & Bryant Superfund Site Operable Unit No. 2 City of Arvin



United States Environmental Protection Agency \$ Region 9 \$ San Francisco, CA

Kern County, California

June 2007

Proposed Plan Fact Sheet

This document briefly describes how the U.S. Environmental Protection Agency (EPA) proposes to address groundwater contamination at the former Brown & Bryant Pesticide Reformulation Facility (Facility), now known as the Brown & Bryant Superfund Site (B&B Site). EPA briefly describes the cleanup alternatives considered and the one we prefer. We ask for your thoughts on this proposal. For more information about this proposed plan, this site, or the US EPA Superfund program please visit the information repository or visit our website and attend our Public Meeting on June 21, 2007 at the Arvin Public Library 201 Campus Dr. Arvin, CA.

The Proposed Plan at a Glance

Problem

During past operations at the Facility, contaminants were spilled or released onto Site soils. Some of these contaminants have also migrated into the groundwater beneath the B&B Site. The Environmental Protection Agency (EPA) is now proposing a way to clean up remaining contamination.

History

The EPA added this site on the National Priorities List (NPL) in 1989. Early action removed much of the contaminants from the soils on the surface of the Site. Long-term groundwater studies and feasibility studies have been ongoing.

Solution

The EPA proposes to clean up contaminants in the groundwater by extracting and treating the groundwater in the shallower A-zone and allowing the natural degradation of these contaminants to reduce the contaminant concentrations in the deeper B-zone. The B-zone groundwater would be tested on a regular schedule to ensure that this natural attenuation process is taking place. In addition, the EPA proposes to move the Arvin City Well No. 1 (CW-1) to eliminate any possible risk of community residents drinking potentially contaminated groundwater.

Comments

You can provide your comments on this Proposed Plan either verbally during our public meeting on June 21, 2007, or in writing via letter, fax, or e-mail. The EPA will consider your comments as we develop our final decision on how to clean up the B&B Site, and we will respond to all comments in a final written document.

**We would like to
hear from you!!!**

Public Comment Period

The public comment period runs for 30 days from June 21, 2007 through July 31, 2007.

Community Meeting

You are invited to a public meeting that will be held on:

Thursday, June 21, 2007 at 7:00 pm
at the Arvin Branch
of the Kern County Library.

**201 Campus Drive
Arvin, CA 93203**

The purpose of this meeting is to learn about how the US EPA proposes to address groundwater contamination at the Brown and Bryant Superfund Site and to give the community the opportunity to ask questions and provide comment regarding the proposed cleanup program. In addition to the public meeting, the public is invited to send their comments via letters, faxes, and e-mails to the EPA.

Submit Comments To:

Mr. Travis Cain
EPA Region 9 (SFD-7-2)
75 Hawthorne St
San Francisco, CA 94105

This Proposed Plan is issued pursuant to the requirements of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, as amended by the Superfund Amendments and Reauthorization Act (SARA), to facilitate community involvement in the remedy selection for the Brown & Bryant Superfund Site.

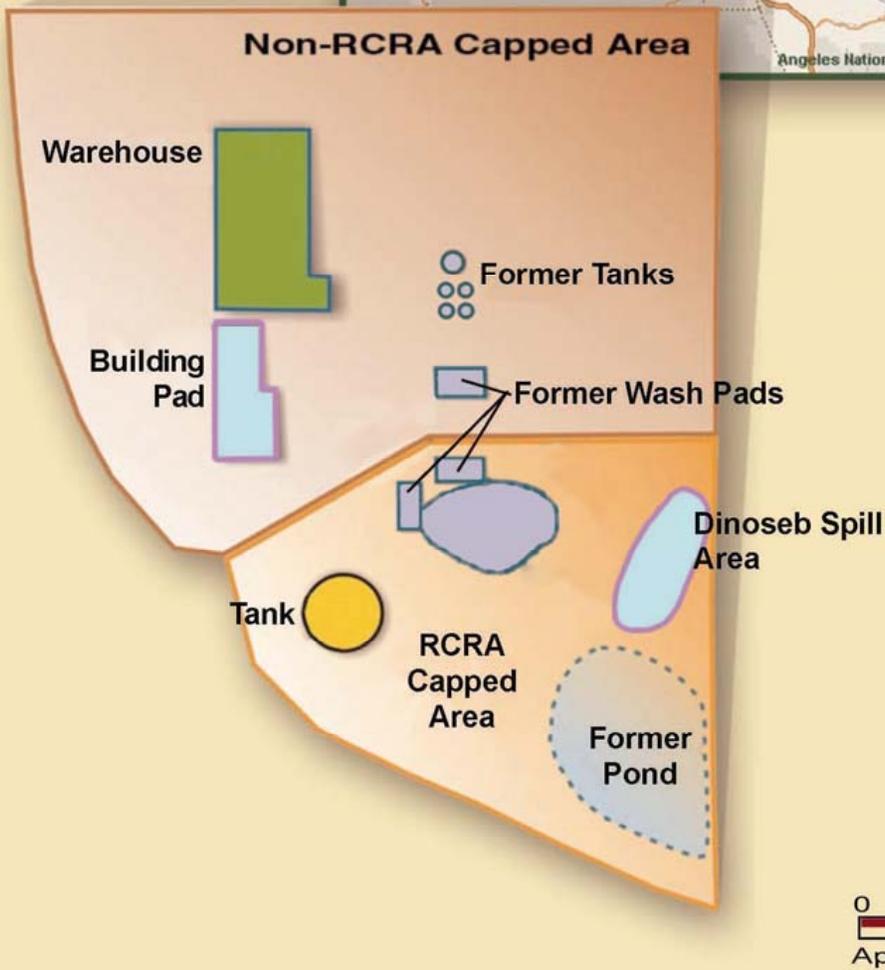
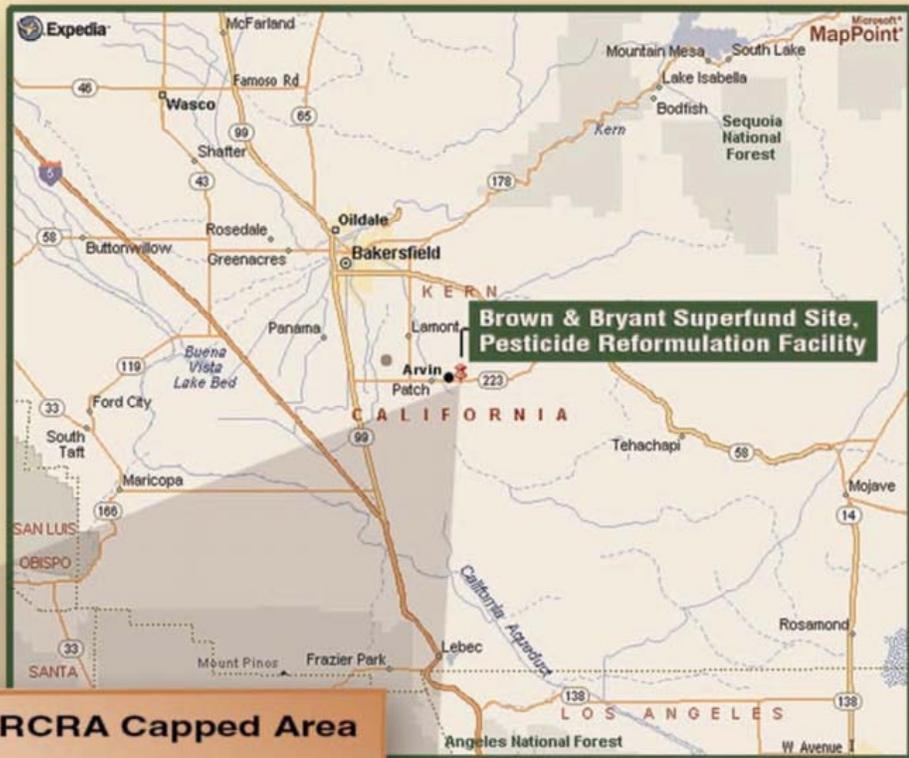


Figure 1. Location and Site Maps of Brown & Bryant Superfund Site

Remedial Alternatives Summary

The B&B Site OU-2 Feasibility Study proposed the following remedial alternatives (along with relocating Arvin City Well CW-1):

- \$ Alternative 1—No Action
- \$ Alternative 2—Monitored natural attenuation
- \$ Alternative 3—Source reduction in the A-zone and monitoring in the B-zone
- \$ Alternative 4a—Dual-phase extraction and treatment of vapor and groundwater in the A-zone and no action in the B-zone
- \$ Alternative 4b—In-situ bio-treatment and bio-augmentation in the A-zone and no action in the B-zone
- \$ Alternative 5—No action in the A-zone and groundwater extraction and treatment in the B-zone
- \$ Alternative 6—Groundwater extraction and treatment in the A-zone and the B-zone

Remedial Action Objectives

The Remedial Action Alternatives (RAOs) for the B&B Site OU-2 are to:

- \$ Remove or control groundwater contamination source from the A-zone to reduce further contamination of B-zone groundwater.
- \$ Restore the B-zone groundwater to drinking water standards within a reasonable time frame.
- \$ Prevent potential exposure to contaminated groundwater.

For More Information

Please visit the Information Repository or the Brown and Bryant Superfund website:

www.epa.gov/region09/brown&bryant



Table 1. Remedial Alternatives for B&B Site OU-2

Evaluation Criteria	Alternative 1, No Action	Alternative 2, Monitored Natural Attenuation	Alternative 3, Source Reduction in the A-zone and No Action in the B-zone	Alternative 4a, Dual-phase Extraction and Treatment of Vapor and Groundwater in the A-zone and No Action in the B-zone	Alternative 4b, In-situ Biotreatment and Bio-augmentation in the A-zone and No Action in the B-zone	Alternative 5, No Action in the A-zone and Groundwater Extraction and Treatment in the B-zone	Alternative 6, Groundwater Extraction and Treatment in the A-zone and the B-zone
<p>● = Fully meets criteria ▲ = Partially meets criteria ■ = Does not meet criteria</p>							
Overall Protectiveness	■	▲	●	▲	■	▲	●
Compliance with State and Federal Requirements	■	▲	●	▲	▲	▲	●
Long-term Effectiveness	■	●	●	▲	▲	▲	●
Implementability	n/a	●	●	■	▲	▲	▲
Short-term Effectiveness	n/a	■	▲	■	■	■	■
Reduction of Toxicity, Mobility or Volume by Treatment	■	▲	▲	▲	▲	▲	●
Most Likely Total Cost	\$3,324,000*	\$5,222,000*	\$15,585,000*	\$48,007,000*	\$18,095,000*	\$38,031,000*	\$70,489,000*
State Agency Acceptance	The California Department of Toxic Substances Control has concurred with the U.S. Environmental Protection Agency's preferred alternatives. The California Central Valley Regional Water Quality Control Board has been consulted regarding the B&B remedial alternatives.						
Community Acceptance	Community acceptance of the preferred alternatives will be evaluated after the public comment period.						

* Since decommissioning and relocation of the Arvin City Well CW-1 will occur along with any and all other alternative selected, the most likely cost of the selected remedy includes \$985,000 for the City Well decommissioning and relocation.

U.S. EPA Proposes Plan to Clean Groundwater at Superfund Site

Contact Information

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Information Repositories

Kern County Library
Arvin Branch
201 Campus Drive
Arvin, CA 93203



Superfund Records Center
95 Hawthorne St
San Francisco, CA 94105
(415) 536-2000



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75 Hawthorne Street (SFD-3)
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Attn: Luis Garcia-Bakarich (B&B 6/07)

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