



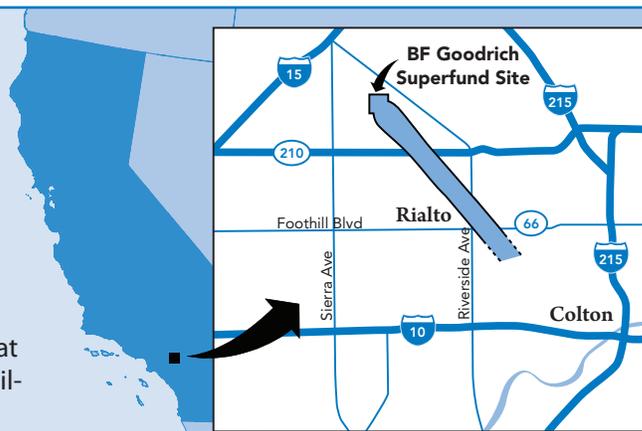
# B.F. Goodrich Superfund Site

U.S. Environmental Protection Agency • Region 9 • San Francisco, CA • June 2013

## Agreements End Nine Years of Litigation – Cleanup Work Proceeding

EPA reached agreement in late 2012 and early 2013 with Emhart Industries, Goodrich Corporation, the U.S. Department of Defense, and others to clean up groundwater and soil at the B. F. Goodrich Superfund Site.

Design work has begun on the first of two planned cleanup projects. It will include the construction of wells, pipelines, and water treatment systems in north Rialto. The specifics of the second cleanup project will depend on the results of groundwater testing now underway in central Rialto. EPA estimates that cleanup of the groundwater will cost between \$50 and \$100 million over the next 30 years.



### Progress to Date and Timetable for Cleanup

EPA added the B. F. Goodrich Site to the Superfund National Priorities List in September 2009. Two groundwater cleanup projects are planned for the site.

#### **The “Source Area” Groundwater Cleanup**

The first cleanup project targets highly contaminated groundwater spreading from a 160-acre industrial area in northern Rialto known as the “160-acre area.” EPA adopted a cleanup plan for this area in 2010.

The project will require the construction of new groundwater extraction wells, water treatment facilities, pipelines, and pumps. The facilities will operate for many years, removing contaminants from the groundwater. Design work is underway with construction expected to begin in 2014.

#### **The “Mid-Basin” Groundwater Cleanup**

In 2015 or 2016, after seeking input from the public, EPA will make decisions about the location and size of a second cleanup project at the Site. The project will target contaminated groundwater in central Rialto. EPA will also determine whether contaminated soil at the 160-acre area requires cleanup and the use of the property should be restricted. To provide information for these decisions, the Goodrich Corporation agreed in February 2013 to install groundwater monitoring wells, complete environmental testing, and prepare engineering analyses of cleanup options. This work began in May 2013 with the construction of three deep groundwater monitoring wells in central Rialto. The testing will continue into 2014, and possibly into 2015. EPA monitors all testing to make sure that it is properly conducted.

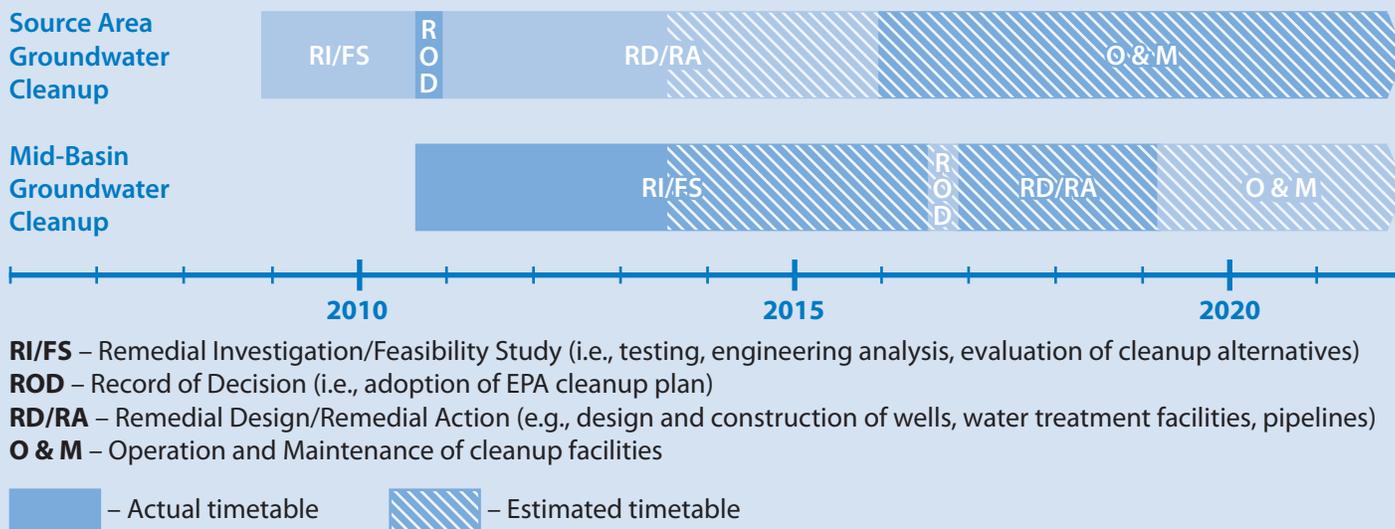
### What is Superfund?

It is an environmental program established in 1980 to investigate and clean up abandoned hazardous waste sites. To accomplish its mission, EPA works closely with communities, Potentially Responsible Parties (PRPs), and state and local authorities. For more information on the Superfund Program visit [www.epa.gov/superfund](http://www.epa.gov/superfund).

### Proposed Name Change

In May 2013, EPA proposed changing the name of the B.F. Goodrich Superfund site to the Locust Avenue site. EPA will make a final decision whether to change the name of the site later this year.

## B.F. Goodrich Site – Timetable for Cleanup



## Cleaning Up Groundwater in Rialto

At the Site there are trillions of gallons of water located hundreds of feet below ground that have been contaminated by trichloroethylene (a cleaning solvent) and perchlorate (a component of flares, rockets, and fireworks). The water will be pumped to the surface and cleaned by a series of water treatment systems to remove the chemical contaminants. After treatment, the water will be distributed by local water utilities to businesses and residences. EPA, the California Department of Public Health, and local water utilities will ensure that the water is regularly tested and meets or exceeds all drinking water standards.

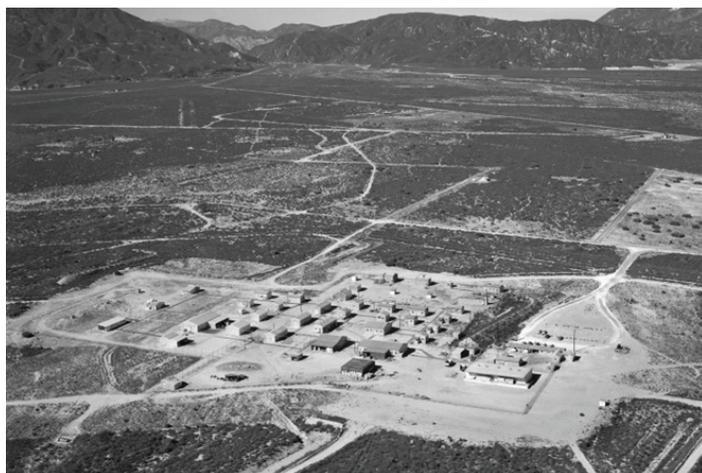


Existing water treatment system in Colton, CA. Similar systems will be constructed as part of the cleanup.

## Sources of the Pollution

Much of the contamination at the Site occurred decades ago when industrial wastes were disposed in a 160-acre area in north Rialto. Since the 1950s, the 160-acre area has been used to store, test, and manufacture fireworks, flares, rocket motors, and

other pyrotechnics. After moving hundreds of feet downward through the soil and sediments, the wastes reached and began to flow with the groundwater, creating a several-mile long plume of underground contamination.



Aerial photo of a portion of the site in 1955, looking north

## Who Pays?

EPA has reached agreements with Potentially Responsible Parties (PRPs) at the Site to carry out or pay for cleanup. PRPs are companies that EPA considers liable for cleanup at a site. One of several recent agreements commits Emhart Industries to use its funds, and funds from other settling parties, to design, build, and operate the wells, pipelines, and water treatment systems needed for the Source Area cleanup. EPA believes that Emhart is the corporate successor to a company that manufactured flares and other pyrotechnic devices at the Site in the 1950s. A second agreement commits Goodrich Corporation to clean up the mid-basin groundwater and, if needed, contaminated soils on the

# Drinking Water Is Tested Regularly to Make Sure It Meets State and Federal Standards

Rialto and Colton are dependent on local groundwater for most of their water supply. The groundwater is generally of high quality, originating primarily as rainfall and snowmelt in the San Gabriel and San Bernardino mountains. To protect the community, the water utilities serving Rialto, Colton, and surrounding areas have closed contaminated drinking water supply wells and regularly test water delivered to homes and businesses to make sure that it meets all federal and state drinking water standards.



160-acre area. Goodrich tested and manufactured rocket motors at the Site in the 1950s and 60s. EPA will direct and oversee the cleanup work conducted by Goodrich and Emhart. Additional details on the agreements are available at U.S. EPA's B.F. Goodrich Superfund Site web page.

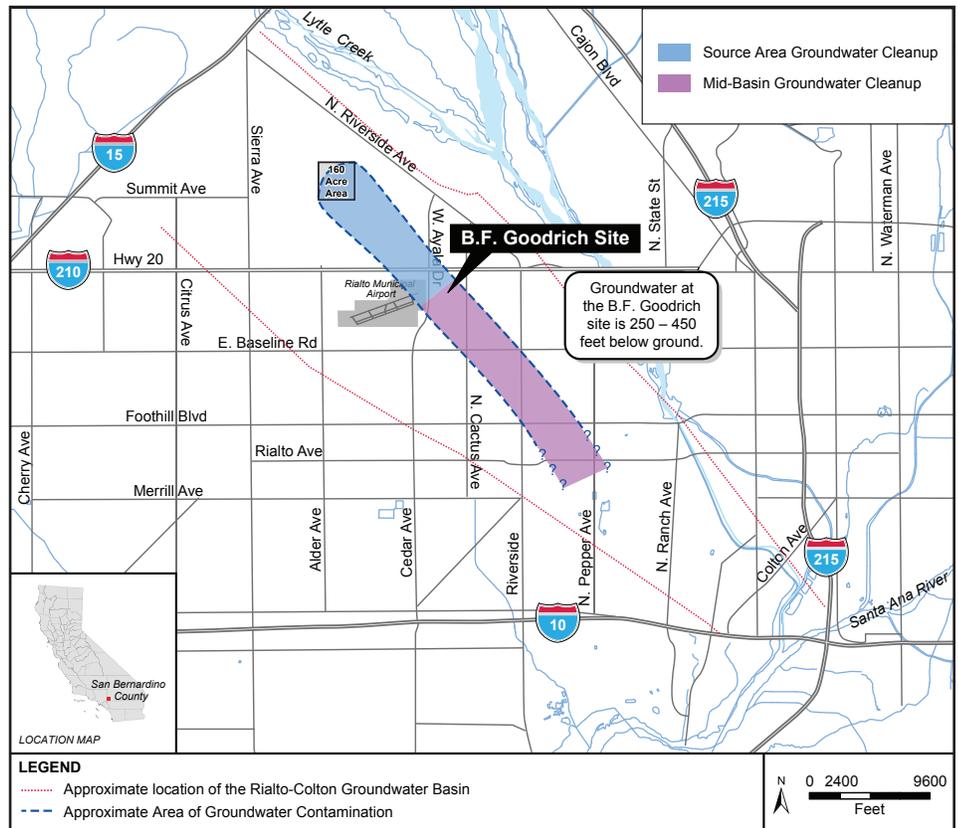
The agreements end years of litigation for the settling parties. The litigation began when the cities of Rialto and Colton sued Emhart, Goodrich and others in 2004 and 2005. EPA joined the litigation in 2010 to assure funding for the cleanup.

# Technical Assistance Grant and Technical Assistance Services for Communities

EPA values your input and wants to help you understand the groundwater test results and other technical data generated by EPA and others as they investigate and clean up the Site. The Superfund law allows EPA to award a Technical Assistance Grant (TAG) of up to \$50,000 to an eligible community group. The money can be used to hire independent experts to help community members understand and comment on site-related information and decisions. EPA also administers a program known as the Technical Assistance Services for Communities (TASC) to provide independent, non-advocacy educational and technical assistance to communities affected by hazardous waste sites. Contact EPA's Community Involvement Coordinator for more information about these programs (see contact information on back).

# We Want You To Get Involved

- » **Sign up** to be added to EPA's B.F. Goodrich Site mailing list to receive updates
- » **Read** this fact sheet and other site documents
- » **Go to** U.S. EPA's B. F. Goodrich Superfund Site webpage at: [www.epa.gov/region9/bfgoodrich](http://www.epa.gov/region9/bfgoodrich)
- » **Go to** U.S. EPA's web site at [www.epa.gov/superfund/community](http://www.epa.gov/superfund/community) for more information about how to get involved.
- » **Contact** the U.S. EPA Community Involvement Coordinator if you have questions or concerns.



B.F. Goodrich Superfund Site Map

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San Francisco, CA 94105  
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FIRST-CLASS MAIL  
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Penalty for Private Use, \$300*

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## For More Information About the Site

U.S. EPA's B.F. Goodrich Superfund Site web page and the Site Information Repository are tools the public can use to learn about activities at the Site. This is where you can find up-to-date information, technical reports and reference materials. The Site webpage is located at: [www.epa.gov/region9/bfgoodrich](http://www.epa.gov/region9/bfgoodrich). The information repository for the B.F. Goodrich Site is located at:

### EPA Superfund Records Center

95 Hawthorne St., 4th floor  
San Francisco, CA 94105  
(415) 820-4700

### Rialto Branch Library

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