

REDLANDS, RIVERSIDE & LOMA LINDA, CALIFORNIA FACT SHEET

From 1954 to 1974, Lockheed Propulsion Company, a forerunner to Lockheed Martin, operated a 500-acre rocket motor production facility at 1500 Crafton Avenue, Mentone, Calif. The facility was on the eastern boundary of the Bunker Hill Basin in San Bernardino County, Calif. The basin encompasses approximately 120 square miles in the upper Santa Ana River Valley.

Groundwater in the basin provides drinking water for several cities and institutions in the area, including Riverside, Redlands, Loma Linda and Loma Linda University. Past agricultural and industrial activities in the basin resulted in a perchlorate-impacted area covering more than 10 square miles in the basin, of which approximately 4.58 square miles is industrial perchlorate.

A trichloroethylene (TCE) plume of approximately 1.72 square miles is located within the larger perchlorate plume.

- Perchlorate is often a component in solid rocket fuels and is also found in agricultural fertilizers
- TCE is a commonly used degreaser

Groundwater contaminant plumes within the Bunker Hill Basin include the Crafton-Redlands plume, Newmark Muscoy plume, Norton Air Force Base plume, Santa Fe plume, and the agricultural perchlorate plume.

Under orders from the Santa Ana Regional Water Quality Control Board issued in 1994, 1997, and 2001 to support the supply of safe drinking water and clean up the perchlorate and TCE, Lockheed Martin installed;

- new water wells
- water treatment systems
- pipelines
- blending equipment for the basin's water purveyors

The water treatment plants are operated by the cities of Riverside, Redlands, and Loma Linda with funding from the corporation.

Lockheed Martin also installed an arsenic removal facility for the City of Loma Linda. The system was shut down in 2010 when a new perchlorate and TCE treatment system became operational.

The corporation also installed a water treatment system for Loma Linda University in 2004 and provided operational and financial support for the facility through 2014. Lockheed Martin continues to work collaboratively with the water purveyors.

Perchlorate and TCE concentrations are checked regularly at monitoring and water supply wells across the basin. Data from those monitoring wells indicate that the cleanup remedies are successfully removing significant quantities of perchlorate and TCE from the area.