



Linda S. Adams
Secretary for
Environmental Protection

California Regional Water Quality Control Board North Coast Region

John W. Corbett, Chairman

www.waterboards.ca.gov/northcoast
5550 Skylane Boulevard, Suite A, Santa Rosa, California 95403
Phone: (877) 721-9203 (toll free) • Office: (707) 576-2220 • FAX: (707) 523-0135



Arnold
Schwarzenegger
Governor

NOTICE OF PROPOSED CORRECTIVE ACTION

For

Pacific Gas & Electric Company/Musco
First and B Streets
Santa Rosa

Internet Posting Date: November 13, 2007

Comment Period Ends, 30-days after Completion of All Public Notice Requirements

Target End Date: Forty-five (45) days from Internet Posting Date.

Problem Description

A manufactured gas plant (MGP) was constructed and operated at First and B Streets in Santa Rosa in 1876 by the Santa Rosa Gas Light Company and later by Pacific Gas and Electric Company until 1924. The former MGP was located at the existing parking lot for the 111 Santa Rosa Avenue bank building. A component of the MGP was a 33,450 cubic foot single lift gas storage holder located in the northwest corner of the former MGP. The subsurface portion of the gas holder is constructed of redwood and is approximately 22-feet deep. The redwood tank was abandoned in place by filling with soil and MGP waste products.

Site Characterization

The contents of the tank have been chemically analyzed and found to contain petroleum hydrocarbons in the gasoline, diesel and motor oil range at up to 53,000, 62,000 and 25,000 mg/kg (or parts per million), respectively. Benzene and Naphthalene are also present at up to 6,700 and 37,000 mg/kg, respectively. Groundwater in the vicinity of the redwood tank has been impacted.

Proposed Interim Corrective Action

Pacific Gas & Electric Company proposes to conduct In Situ Electric Resistance Heating (ERH) within the footprint of the redwood tank. The ERH process uses electricity to heat the subsurface using electrodes to approximately 100 degrees Celcius. The volatile components of the fill/waste material will be extracted using soil vapor or dual phase extraction and the extracted vapors will be treated in an above ground treatment system. The above and below ground treatment system components will be secured. Implementation is expected in June 2008 with a six-month time frame for operation.

Period for Public Review and Comment

The North Coast Regional Water Quality Control Board file for the former MGP (Case No. 1NSR228) may be reviewed at the Regional Water Board office at 5550 Skylane Boulevard Blvd. Appointments are recommended and can be arranged by calling (707) 576-2220. You may also contact Joan Fleck with the Regional Water Board at (707) 576-2675 or by e-mail to Jfleck@waterboards.ca.gov.

111307_JEF_PGEweb.doc

California Environmental Protection Agency

Recycled Paper