

THE BOEING COMPANY, SOUTHERN GROUNDWATER STUDY AREA GROUNDWATER EXTRACTION AND TREATMENT SYSTEM, INACTIVE RANCHO CORDOVA TEST SITE, Sacramento County

The Boeing Company (Boeing) operated a rocket-testing facility in eastern Sacramento County near Rancho Cordova and Folsom. The facility is on property known as the Inactive Rancho Cordova Test Site (IRCTS) that is currently owned by the Aerojet-General Corporation (Aerojet). Boeing, along with Aerojet, performed practices that have caused the release of pollutants into the vadose zone and groundwater at the IRCTS. The primary pollutants are trichloroethylene (TCE) and perchlorate. Boeing and Aerojet have investigated the pollution at the IRCTS and have proposed to extract groundwater and remove the pollutants to stop the spread of the pollution and restore the aquifer to beneficial uses. Four groundwater extraction wells have been installed as the initial extraction system. The pollutants will be treated using activated carbon to remove the TCE and ion-exchange to remove the perchlorate to below levels of concern, 0.5 micograms per liter ($\mu\text{g/L}$) for TCE and 4 $\mu\text{g/L}$ for perchlorate. Treated groundwater will be discharged to Morrison Creek, injected back into the groundwater, and provided to the development south and north of Douglas Road for dust control and compaction during construction. If necessary, the system will be expanded at a later date to provide full capture of the pollution. (AMM)