



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IX
75 Hawthorne Street
San Francisco, CA 94105-3901

**MINOR MODIFICATION TO PERMIT NO. R9UIC-AZ3-FY11-1
FLORENCE COPPER, INC.**

In accordance with 40 CFR §144.41, the permit for the Florence Copper, Inc. Production Test Facility (PTF) is hereby modified to allow the injection of treated water for use during formation rinsing. The treated water will supplement fresh groundwater to reduce overall water consumption and to expedite formation rinsing, under the authority of the Underground Injection Control (UIC) program, as described below:

PART II.E. WELL OPERATION - the following new language in bold font is added to Part II, Section E.6.e, Injectate Fluid Limitations, page 22 (existing language not in bold font):

- e. During closure, fresh groundwater may be injected to restore the zone to federal drinking water standards or pre-operational background concentrations. The Permittee may also adjust the pH with sodium bicarbonate or other neutralizing agents to aid in the precipitation of soluble metals.

The Permittee may also use treated water during formation rinsing at the PTF wellfield which will supplement fresh groundwater to reduce overall water consumption and to expedite formation rinsing. The water treatment system will utilize multimedia filtration, reverse osmosis (RO), and pH adjustment to treat solution recovered from the wellfield and use the resulting treated water to supplement the rinsing injectate. The treated water quality will be equivalent to or better than formation water and of a quality sufficient to achieve the closure criteria of Part II.I.

The Permittee will conduct monthly sampling and analysis of the treated water for pollutants to document that the quality meets the requirements described above. The Permittee shall provide these analytical results in the Quarterly report, per Part II.G.2.

All other permit conditions remain unchanged.

This minor modification is effective on the date signed.

Tomás Torres
Director, Water Division