

**Abengoa Mojave Solar Project., Harper Lake- Title 22 section 64449 - 1,500 mg/L
TDS reference**

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Paul Marshall
California Energy Commission,

During the December 8, 2009 workshop for the Abengoa Mohave Solar Project, I informed Frederick Redell, that Lahontan Water Board staff considers the Harper Lake area groundwater above 1,500 milligrams per liter (mg/L) Total Dissolved Solids not suitable for public consumption. This determination is site-specific for this project.

The Lahontan Basin Plan lists municipal supply (MUN) as one of the beneficial uses for groundwater at Harper Lake. The Lahontan Basin Plan includes by reference California Code of Regulations, Title 22, section 64449 and Table 64449-B Secondary Maximum Contaminant Levels that are acceptable for public uses. In particular, Table 64449-B lists a short term maximum of 1,500 mg/L Total Dissolved Solids that shall not be exceeded in the water supplied to the public by community water systems. Above this level, the water is not suitable for public consumption.

However, groundwater below this level would be suitable for public consumption. Therefore, water bearing zones that meet the definition of an aquifer and with less than 1,500 mg/L Total Dissolved Solids would be considered suitable for MUN designation.

I hope this clarifies Lahontan Water Board staff's position for your staff assessment for the Abengoa Mohave Solar Project.

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