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ARSENIC REMOVAL Japan

Project Description

Global Arena is a sports complex in the City of Fukuoka, on the island of Honshu, Japan. The water supply for the facility contains 25 - 30 $\mu\text{g/L}$ arsenic, which exceeds the Japanese maximum allowable concentration of 10 $\mu\text{g/L}$. Facility management was looking for an effective treatment option, which also had to be efficient (i.e., low water wastage), low cost, and simple to operate.

Based on successful bench scale and pilot scale testing in Japan, a filtration plant employing ADI's patented MEDIA G2[®] arsenic adsorption media was installed in September, 2000. The plant, pictured above, treats 180 m³ per day (48,000 gpd), reducing the arsenic concentration to 1 $\mu\text{g/L}$ or less. Recent test results are shown below.

As a result of installing this plant, Global Arena is now self-sufficient in water supply. And the water easily meets all the very stringent standards of the Japanese regulatory agency.

