

US EPA Arsenic Treatment Technology Research Demonstrations

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Abstract

On October 31, 2001, U.S. EPA announced that the final standard for arsenic in drinking water of ten parts per billion (10 ppb) would become effective on February 22, 2002 without further action by the Agency. The date by which systems must comply with the new standard is January 23, 2006. As part of that announcement, the Administrator pledged to provide \$20 million over fiscal years 2002 and 2003 for the research and development of more cost-effective technologies, as well as technical assistance and training, to operators of small systems to reduce their compliance costs. The Office of Research and Development was charged with implementing the five-part research program that includes; early technology development, long-term treatment technology demonstrations, short-term verification of commercial ready treatment technologies under the EPA's Environmental Technology Verification Program, enhanced internal research and training, and technical assistance. The purpose of the program is to provide information to fill-in research gaps that exist for a number of technologies or compliance approaches, and provide this information to utilities, engineering firms, regulatory officials and others. This presentation will provide an overview of the treatment research that was conducted in support of the regulation and an update and status of the on-going research program.