

Arsenic Treatment Technology Vendors Forum
October 22, 2003
Albuquerque, New Mexico

Participating Vendors

Company Name	Description
US Filter	GFH is an adsorption process using ferric-based media to Sorb arsenic and other heavy metals from raw water supplies. Once the media has exhausted its adsorption capacity it is Removed from the vessel and replaced with new media. The simplicity of this process is very attractive for small Installations and wellhead applications especially where no Treatment currently exists.
Filtronics Cline Sales Inc	Process is oxidation, filtration with or without addition of less than two mg/l iron and without pH adjustment
Edenspace Systems	Arsenic phytofiltration using hydroponic systems of ferns
AdEdge Technologies	Arsenic Removal Description = Granular ferric oxide, applied in point-of-use, point-of entry and pre-engineered skidded community systems

Company Name	Description
Magnesium Elektron, Inc.	MEI has developed a series of novel adsorbent media for the purification of contaminated water. These zirconium-based media exhibit a wide range of improved performance in removing arsenic, chromium (III & VI), copper, and other metal and non-metal ions from drinking water, industrial process streams, and groundwater applications.
Univ. of Oklahoma Norman, OK	Polymer enhanced ultrafiltration (PEUF) consists of complexating arsenic ions with a cationic water-soluble polymer, followed by removal of the complex by an ultrafiltration membrane. The retained complex is precipitated with barium chloride to regenerate the polymer. This technology can remove up to 99% of the arsenic while achieving permeate concentrations below 10 ppb and wasting less than 5% of the water.
ARCTECH, Inc.	Humasorb (2), a U.S. patented technology based on natural organic humic acid removes arsenic and other multiple toxic metals and organics in a low cost system for small scale and home use.
HydroGlobe	MetSorb is a patent pending nonregenerable adsorbent, with extremely high capacity (20%) for removal of both Arsenic III and V from water. The kinetic performance is also excellent with over 40,000 bed volumes of capacity at 50 ppb As and 1 minute EBCT.

Company Name	Description
Argonide Corp.	Under a Phase I EPA SBIR we have developed a sorbent for Arsenic III and V consisting of a nano alumina fiber enhanced with a form of iron. The sorbent has a high dynamic capacity @ 50 ppb over pH ranges of 6.5-8.5. Dynamic sorption capacity has been modeled and there is good agreement between experimental and predicted data over the concentration and pH range of interest, and as a function of bed depth and flow velocity.
Kinetico Inc.	Kinetico provides several technologies including Coagulation Macrolite ceramic media filtration, iron bases and modified activated alumina adsorptive media, Ion exchange and POU cartridges and RO's. This wide variety of products allows us to evaluate a water supply and determine the best fit.