

Technology Information	
Area	#2
Title	Treatment of Contaminated Water
Submitted by	CH2M HILL
<p>1. Overview of Technologies (features, specification, functions, owners, etc):</p> <p>We have extensive experience managing contaminated groundwater. This experience includes the design and installation of barrier containment walls at over 40 facilities. These systems limit the migration of contaminated groundwater and help optimize the cost for treatment of contaminated groundwater. For example, we designed a 2 mile long slurry bentonite barrier wall that completely surrounds an abandoned industrial facility. This has significantly decreased the volume of groundwater requiring treatment. A key in the design and application of these types of approaches is the careful analysis and design of the hydrogeological conditions to ensure that containment is maintained. We have extensive experience modeling groundwater conditions and can adapt to the availability of data and the level of uncertainty that is acceptable.</p> <p>Our groundwater treatment experience is also extensive. For example, we have designed, constructed, and are operating the largest groundwater treatment systems for the Department of Energy (DOE) complex. These systems are removing a variety of radiological and non-radiological contaminants. We have evaluated a wide range of technologies and are using the most cost effective technologies. We also have the ability to work with equipment suppliers to deliver treatment systems quickly throughout the world.</p>	
<p>2. Notes</p> <p>Please see appendix 2 for additional information.</p>	