

## **Considerations For Deep (>300 feet) Monitoring Well Installations**

### **ABSTRACT**

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Installation of monitoring wells has become fairly routine for shallow applications by using widely accepted, standard installation procedures. However, these procedures and the materials used may not be appropriate for deeper monitoring well installations. Monitoring well installations at greater depths require unique design considerations. Some of these design considerations include revising grouting and installation procedures and the selection of monitoring well materials. Considerations should be given to the type and size of monitoring well casing and screens and also grout mixtures to minimize grout intrusion of the filter pack and the heat resulting from grout hydration. This presentation shall present some of the frequently overlooked considerations for design and installation of deep monitoring wells.