

Project Summary



Remediation Well Development Albany County, NY



Project Overview:

Annually our drill team is tasked with the well re-development of multiple 8-inch diameter remediation wells. These remediation wells act as a barrier for migrating groundwater contaminants. Over time biofilm and mineral incrustations fill pore spaces in the sandpack and well screen to reduce well yields. Well re-development is essential to maintain adequate well yields and ensure the containment of the groundwater on site.

Remediation Well Re-development

Initially each well was mechanically surged using a string of surge blocks and wire brushes to scrape off any loose debris. Once the wells had been surged an air-lift pump is used to remove any dislodged debris. In order to improve the effectiveness of the mechanical development acids were added to each well to break up incrustation and bio-fouling. Acids were then thoroughly mixed in each well using a combination of surging and recirculation. Following a 24 hour reaction time the wells were re-surged and pumped until pH levels were neutralized.

- **Project Cost:**
\$20,000
- **Project Duration:**
2 Weeks
- **Project Completion Date:**
September 2011
- **Project Reference:**
Confidential