

RID ADVISES ADEQ OF CORROSION ISSUES AT GROUNDWATER TREATMENT SYSTEMS

On August 6, 2013, Mr. Joel Peterson of Synergy Environmental spoke by telephone with Ms. Tina LePage of the Arizona Department of Environmental Quality (ADEQ) to advise her on corrosion-related issues at the Roosevelt Irrigation District (RID) wellhead groundwater treatment systems. Mr. Peterson followed the conversation with a summarizing email.

Key points related to the corrosion issue are as follows:

- Routine monitoring identified corrosion on the outside of Granular Activated Carbon (GAC) fill and evacuation lines on all four wellhead groundwater treatment systems.
- Leaks have been observed on systems at RID-89 and RID-95
- The defects were caused by manufacturing process control issues and are covered under warranty by Siemens
- The defects are not related to system design, material compatibility or the specific application of this technology.

Corrective/preventative actions being taken are as follows:

- RID-89 and RID-95 have been placed into bypass mode; eliminating the leakage issue by taking the treatment systems out of operation and limiting potential public exposure to Volatile Organic Compounds (VOCs)
- RID-92 and RID-114 will be monitored closely for signs of leakage/failure
- Repair/replacement work is underway on the system at RID-89 with RID-95's system scheduled to follow
- The RID team is working with Siemens on actions to avoid future occurrences
- RID will provide ADEQ with ongoing progress reports, related to the issue.