**PROJECT:**
Rehabilitating 25 Concrete Wastewater Manholes

**LOCATION:**
City of Montrose, CO

**OWNER:**
Colorado Public Works & Utilities

**APPLICATOR:**
Airtight Foam Solutions

**COATING SYSTEM:**
SPI's - LPG™ Proportioner
Aquaseal™ UB III Synergy Series Polyurea Protective Coatings

**COMPLETION DATE:**
June 2011

---

**PROBLEM:**
Wastewater manhole rehabilitation is one of the most challenging jobs out there. Contractors face numerous obstacles when embarking on a manhole rehab project. For example: working in tight spaces, limited access to the job site, advanced concrete degradation requiring extensive surface preparation, and mitigating coating bug/pin holes. To add to these challenges, this particular project required the sewer main to remain live during the entire process.

The applicator used pressure washing and abrasive blasting to remove damaged concrete. Then a 400,000 BTU ducted heater was used to pump heat into the manhole to draw out moisture. Next, the crew applied an average of 120 mils of Aquaseal-UB III polyurea to the concrete.

**RESULTS:**
"Rehabbing 25 manholes for the City of Montrose, Colorado could have been a real nightmare, but with SPI's Aquaseal™ UB III polyurea coating and the portable LPG™ proportioner, the job went smoothly," says Eddie Kelley of Airtight Foam Solutions. "In fact, it was pretty much flawless."