

## LACYGNE GENERATING STATION SCR

LaCygne, KS



- **Owner:**  
Kansas City Power & Light, Kansas City, MO
- **General Contractor**  
Babcock & Wilcox, Barberton, OH
- **Technique(s) Utilized:**  
Micropiles

**N**icholson recently installed micropiles to support a new Selective Catalytic Reduction (SCR) system at the LaCygne Generating Station in Linn County, Kansas. SCR units are large pieces of emissions control equipment that significantly reduce Nitrogen Oxide (NOx) emissions at coal-fired power plants. At LaCygne, Nicholson installed approximately 150 micropiles for the new SCR unit. The piles have a design load of 240 kips in compression and 100 kips in tension.

Micropiles are often the foundation system of choice for SCR units because vibration and impact to adjacent structures are minimal during pile installation, micropiles can be installed in limited-access areas such as building interiors and below overhead structures, and micropiles can be installed adjacent to or through existing foundations.