Healy NOx Compliance

In 1999, Unit 2 of the coal fired power plant in Healy, Alaska was shut down for not meeting the environmental requirements for nitrogen oxide emissions. In order to restart Unit 2, a selective catalytic reduction systems was added to the existing plant. Part of this retrofit, required micropiles to support the new equipment inside the plant.

Condon-Johnson & Associates was hired as the specialty contractor for the limited access micropiles inside the existing power plant. The micropiles design requirements consisted of a 152-kip compression, 96-kip tension, and 34-kip lateral load criteria for each micropile. Part of the installation program included a sacrificial test program in which 3 ea. micropiles were installed and tested to a 468-kip compression load, 288-kip tension load, and 100-kip lateral load.

Learn more about the Healy NOx Compliance Project.