

## **Application**

Environmental Compliance  
Wet Gas Scrubber  
CO/NOX/SO<sub>2</sub>/O<sub>2</sub>

## **Location**

Linden NJ  
minimum ambient of -20F

## **Maintain Temperature**

250F

## **Product**

O'Brien Electric Traced  
TRACEPAK<sup>®</sup> CEMS Bundle

Three installations requiring up to four 3/8" PFA Teflon tubes as primary and standby sample extraction lines. One installation also included three 1/4" Teflon tubes for calibration gas and blowback filters.

Heater used was a nominal 20 watt/ft self limiting high temperature heater and additional layers of insulation to maintain the 250F minimum sample tube temperature. Separate 50 amp circuits were sufficient to power each of the 320 foot runs. Each Tracepak bundle included a high temperature switch to prevent the heater from overheating and shortening heater life.

TPU jacket material was used to allow the installation during the winter months. PVC jacket with a +15°F minimum installation temperature would have meant potential scheduling problems during the critical last month of the project.

The user was impressed with the 10 year product warranty offered and the detail that was considered in the design and production of the CEMs system bundle. O'Brien provided a simplified control system and detailed FEA analysis to back up their suggestions. The TPU jacket provided additional insurance of an on-time installation as even a two day delay due to cold weather would have jeopardized start-up and compliance schedules.