

## **Application**

Environmental Compliance  
Tail Gas Analyzer  
SO<sub>2</sub>/H<sub>2</sub>S

## **Location**

Whitecort, Alberta  
Canada

## **Maintain Temperature**

150°C

## **Product**

O'Brien Electric Traced  
TRACEPAK® Heated Hose

The plant had experienced difficulties with plugged lines because sulfur was condensing out in the sample lines. The sample system has a periodic cycle time and if the line is not uniformly heated along its length condensation can occur at cold spots especially when the ambient temperature can drop to -45°C.

Heated hose is manufactured to specific applications and physical configurations. O'Brien was able to duplicate an OEM supplied hose fitting it to the existing physical constraints of size and length. By closely spiraling the heater along the length of the process tube and the use of heat transfer foil we were able to provide a very uniform heat from end to end. An RTD was factory installed to provide temperature measurement of the core tube.

We sealed the ends with silicone grommets and extruded a TPU jacket over the finished bundle to keep the insulation dry. All power and control wiring were packaged in a single cord set and routed to the existing junction box and controller.