

SUCCESS STORY

Metal- Coke [Korea]

Problem

Emission by bleed throughs and high-pressure drop across filter bags caused premature replacement. And customer is suffering from Air Flow restriction with 100% damper opening. Normal pressure drop at tube sheet after several month was >>>200mm wg. Emission was over 40mg/Sm³. Bag life was 18months. The major reason of change out was emission.

Data

| | | | |
|---------------------|------------------------------------|---------------------|---------------------------|
| *Design Flow | <u>900 m³/hr @ 80°C</u> | *Air to Cloth Ratio | <u>1.22m/min</u> |
| *Inlet Dust Loading | <u>10.5gm/Nm³</u> | *Baghouse Type | <u>Pulse Jet</u> |
| *Bag Quantity | <u>492 pcs</u> | *Bag Dimensions | <u>Ø130 x 3650 (mm) L</u> |

Solution

Installed 492pcs TETRATEX® membrane/# 8005 filter bags.

Results

Pressure Drop : <90mmWG after 8months
Emission : <2.5mg/Sm³
Damper opening : 50%
Air flow : NA.
Expected bag life is over 3years.