Donaldson

# SUCCESS STORY

## Steel Furnace
### Australia

## Problems

3,876 dust bags in total - 11 compartments @ 323 bags each. Existing PTFE membrane polyester bags were having delamination problems. There was also hot particulate entering the bag house, causing less than 8mm ∅ holes. As a result, bag life was shortened.

## Data

| | | | |
|---|---|---|---|
| *Design Flow | 280Am3/sec | *Air to Cloth Ratio | 5.4 : 1 |
| *Inlet Dust Loading | gm/Nm3 (not available) | *Baghouse Type | Pulse Jet |
| *Bag Quantity | 3,553 pcs | *Bag Dimensions | 150 dia x 6000mm lg |

## Solutions

Replaced 323pcs in one compartment with #6214 and monitored for performance. Also installed 323pcs of #6242 Nomex® felt filter bags into the main compartment where the high probability for sparks entering the collector was imminent. Since then, we had replaced 7 compartments with #6214.

## Results

The TETRATEX® membrane filter bags performed well compared to our competitors and since then, another 6 compartments had been replaced with #6214. The customer was happy, although he declined to give information regarding the DP until all compartments had been replaced by Dec 2004. The customer was pleased with the support and service he had received from our Australian bag-maker and Donaldson. End user had agreed to give detailed information on pressure drop and performance when the whole baghouse was installed with our bags.