



# DUST EXTRACTION TECHNOLOGY

Particulate Type: Coal Dust  
Location: Various

## Engart MCC Room Dust Control

[www.engartinc.com](http://www.engartinc.com)

# MCC Room Pressurization

## Engart Type 12 or Type 18 MCC Room Dust Control

These plants were experiencing huge amounts of dust into their MCC rooms from coal handling operations in close proximity. Applying negative pressure in this type of situation would have produced an undesirable result in that it would bring additional dust into the room through the doorway and window openings. Pressurizing the MCC room with “Clean Air” is a much better approach. Experience at the plant using a dry filter system was that it required frequent maintenance to keep the filter element clean. The dirty filter caused a rapid loss of air volume. The Engart Technology was appealing since it required little maintenance, and uses a “*Self Cleaning*” extraction panel to remove the dust particles from the ambient air. The Engart system high collection efficiency permits direct pressurization from the Engart exhaust. A huge success and with minimal maintenance.



Ambient plant air is pulled into the Engart Extractor by its integrated impeller, cleaned, and then exhausted into the MCC Room.



Ambient coal yard air is pulled into the Engart Extractor by its integrated impeller, cleaned, and then exhausted into the MCC Room.