

Coal Mining Company Commits to Respiratory Health with Moldex AirWave® Respirators



Problem

A southern-based coal mining company's workers and management were experiencing challenges with their current respiratory protection on the longwall:

- Respirators appeared dirty due to coal and debris transferred from workers' hands to the filter media of the mask, resulting in respirators being thrown away prematurely, driving up the costs of the respiratory program
- Workers complained the respirators were uncomfortable and put excessive pressure on the nose
- Management was concerned about worker safety and respiratory compliance since workers were consistently removing their respirators to get relief from the discomfort

Solution

The company wanted to provide workers with a more comfortable mask that was also more durable to stand up to the difficult conditions of the mine environment. Moldex was able to meet the mining company's expectations with the AirWave 4400 P100 series disposable respirators, which feature:

- A Dura-Mesh® shell that protects the filter media from direct hand to media contact so it **stays cleaner looking longer**
- The pleated design of the AirWave mask along with the performance of the Ventex® exhale valve meant **easier inhalation and less hot air build-up inside of the mask**
- A pinch-free nose bridge that comfortably contours to the bridge of the nose, **reducing discomfort, pressure and constant readjustment**
- SmartStrap® allows **respirators to hang freely around workers' necks during breaks**, so they're never misplaced and always ready to go

Results

- ✓ Workforce and management committed to respiratory health
- ✓ Increased worker comfort and satisfaction
- ✓ Fewer respirators used leading to reduced waste
- ✓ Increased safety compliance and worker acceptance



Increased
Safety Compliance



Less
Inventory



Worker
Approved