

CONSPEC CONTROLS INTRODUCES PRE-COMBUSTION GAS DETECTION SYSTEM FOR HOSTILE PRB COAL POWER ENVIRONMENTS

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CONSPEC CONTROLS HAS LEVERAGED ITS EXPERTISE IN MONITORING EXPLOSIVE GASES IN THE CONFINED ENVIRONMENTS OF UNDERGROUND COAL MINES TO DEVELOP A PRE-COMBUSTION GAS DETECTION SYSTEM FOR PRB COAL-FIRED POWER PLANTS. THE COMPANY'S CONTINUOUS MILL MONITORING SYSTEM (CMMS) PROVIDES CONTINUOUS, NEAR REAL-TIME READINGS OF CARBON MONOXIDE IN PULVERIZING MILLS AT TEMPERATURES UP TO 200+°F.

Pittsburgh, PA - Combustion precursor gas detection is preferable to fire and explosion alarm systems because it detects the dangerous condition prior to ignition, which allows the timely initiation of inerting measures, thereby preventing fires and explosions.

The system can be configured for any number of stations, from one self-contained unit installed at a single point of detection to scores of stations feeding separate streams of local atmospheric gases to sensors within a central control and readout station. The MMS can be integrated into existing fuel inerting systems and is compatible with existing PLC process control systems.

The system's technology is based on CONSPEC's Fixed Gas monitoring technology which is employed widely in long wall coal mines due to its "coal grade" robustness. Increased use of PRB coal, which is inclined to spontaneous combustion, in power generation environments makes the MMS a natural solution to a persistent problem in the coal-fired power generation industry. Detecting hazardous fire conditions before they occur improves worker safety at the same time it reduces multi-million dollar losses in plant outages, equipment damage, fuel loss, and fire suppression materials use.

CONSPEC Controls offers a complete line of Gas Detectors and Monitors for the mining, power generation, oil and gas, chemical, and HVAC/COVC industries. CONSPEC Gas Detectors and Monitors can be deployed either as a stand-alone system, programmed to generate a local alarm when minimum gas parameters are exceeded, or seamlessly integrated with an existing control or alarm system. CONSPEC Gas Detectors and monitors employ a CONSPEC PLC which can be programmed to detect methane (CH₄) and hydrogen sulfide (H₂S), as well as more than 70 other combustible and toxic gases. Self-contained, solar-powered field models are also available.



CONSPEC Controls is internationally recognized as a leader in the design, development and manufacture of gas detection instruments, monitoring and control systems. The company offers a wide array of products, ranging from fully integrated installations to stand-alone, independent devices. CONSPEC's user-friendly devices are engineered to interface with both new and existing control equipment. Due to its long history in the mining industry, CONSPEC equipment is "coal grade," that is, designed to work in the harshest environments. Combining state-of-the-art manufacturing and research, CONSPEC creates specialized instrumentation and equipment that meets individual customer applications and requirements.

For more details visit: <http://www.conspeg-controls.com/products/power-generation.asp>