OVERVIEW OF COAL MINE METHANE IN VIETNAM

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Main coal basin: Quang Ninh

Number of coal mines:

- Openpit coal mines: About 10 mines
- Underground coal mines: About 30 mines

Coal production: 45 millions tones (2012)

Coal rank: Antraxite and semi-Antraxite (90%)

Mining Method: Longwall (90%)

Supporting: Single or set of hydraulic prop (mainly)

Excavating method: Drilling and Blasting

Gas drainage system: Khe Cham coal mine
The biggest coal basin in Vietnam (90% of coal output)

Quang Ninh Coal Basin
Coal mine methane in Vietnam

- The most gassy mines: Mao Khe, Khe Cham, Quang Hanh, Duong Huy
- In-situ gas content: up to 7.5 m³/T
- Gas emission: up to 15.5 m³/T.daily
- Gas drainage system: 01 system at Khe Cham coal mine
- Gas utilization: Not yet
- Gas dilution in coal mine: Mine ventilation
- Gas control: Centralized Monitoring System (30 systems)
- CMM research agency: Mine Safety Center, Institute of Mining Science and Technology - Vinacomin
Methane drainage system in khecham (1)

Block Diagram of Gas Drainage System in Khe Cham
Methane drainage system in khecham (2)

Bore Holes Arrangement in Roof and Floor
Drilling Station Arrangement at Ventilation Roadway

Methane drainage system in khechem (3)