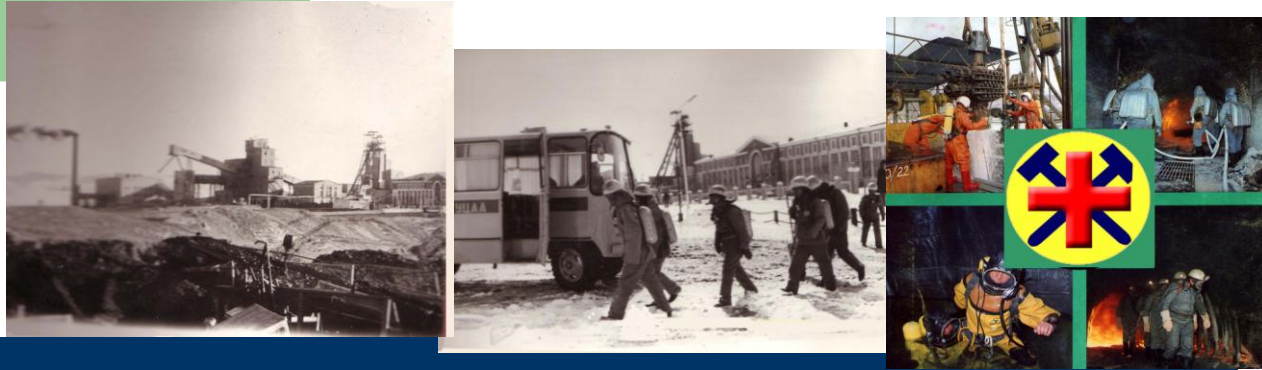


About Nalaikh coal mine methane

Brief

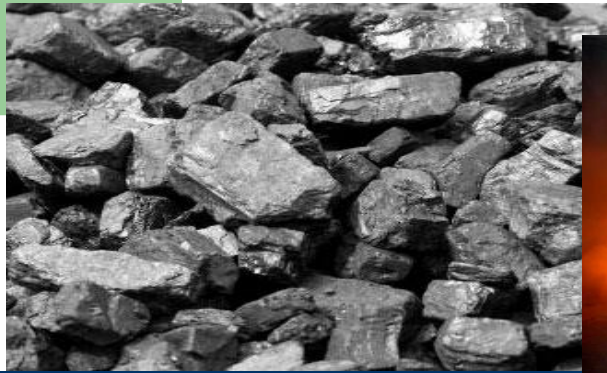
800 cubic meter methane originate with 1 tone coal. But 80% methane outstanding in air atmosphere, and 20% or 160 cubic meter methane exist in the underground. Above methane's 30-40 cubic meter methane is adsorbed in coal and it's layers.



Mining rescue service is located in Nalaikh district of Ulaanbaatar city.

Mining rescue service is

- To rescue people when damaged
- To decrease rescue damage
- To organize function is prevent rescue

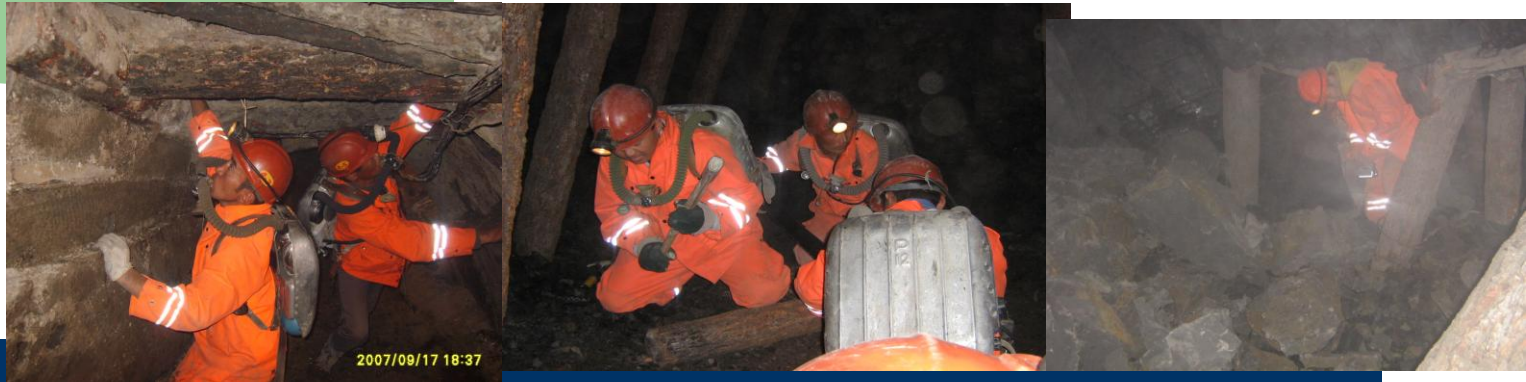


Mining to 1 tone coal distinguished 5 different methane

- 1. Until 5 cubic meter**
- 2. 5-10 cubic meter**
- 3. 10-15 cubic meter**
- 4. More 15 cubic meter**
- 5. Most distinguish dangerous**

Nalaikh coal mine:

~5 cubic meter or 5-10 cubic meter methane is exist 1 tone coal



- 35 cubic meter methane distinguished from coal
- 6 cubic meter methane from rocky

Methane exist percent 0.23 – 17 % in 1960-1995 and possible much more in 3 and 4 layers.

Until 1990, 25.4 million tone coal mined and 12.7 million cubic meter methane distinguished in air atmosphere.

Present, nalaikh coal mine resource is 50 million tone coal, it's 25.0 million cubic meter methane exist in the this



Methane distinguish increased because crashed few time.

In mine western site, methane exploded to died 4 people in 1971.07.16.

Methane exploded to died 20 people in 1990.12.17.

Therefore methane exist more deep in mine.



THANK YOU FOR YOUR ATTENTION