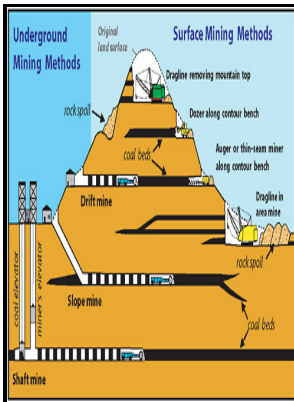


A new method of surface coal mining in steep terrain

s.n - Coal mining and its impact



Description: -

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Notes: 13

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Methods of Coal Mining

Modern mining in the US results in approximately 30 deaths per year due to mine accidents. The life of some area mines may be more than 50 years.

Ecological Services

However, in lesser developed countries and some developing countries, many miners continue to die annually, either through direct accidents in coal mines or through adverse health consequences from working under poor conditions. Technical and economic feasibility are evaluated based on the following: regional geological conditions; characteristics; coal seam continuity, thickness, structure, quality, and depth; strength of materials above and below the seam for roof and floor conditions; topography especially altitude and slope; climate; land ownership as it affects the availability of land for mining and access; surface drainage patterns; groundwater conditions; availability of labor and materials; coal purchaser requirements in terms of tonnage, quality, and destination; and capital investment requirements. For example, 31,000 hectares or 310 square kilometres of Category 2 Lands are leased to the Australian penny stock companies Atrum Coal and Montem Resources.

The risks of surface mining

It involves digging the earth above the coal line, or coal seam, along the contours of the hilly terrain.

Coal mining

. Before any permit is issued under SMCRA or a state delegated program, the operator must submit a specific mining and reclamation plan for review and approval by the regulatory authority.

Coal mining

High tech advances in metallurgy, engines and electric motors have made possible development of these large and sophisticated machines.

FOR SURFACE MINES AND AUGER MINES

Sometimes the preliminary stripping of the waste overburden is contracted to firms specializing in earthmoving.

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