

effluent gas. Where air has contacted hot carbon faces, good-quality gas has been produced underground. A large percentage of this gas has been burned by secondary combustion due to air by-passing the carbon faces.

4. The major problem in the successful application of underground gasification is the by-passing of carbon faces. By-passing is affected by the action of heat and pressure on the rock overlying the coal bed. A partial control of by-passing has been achieved by filling the openings underground with fluidized sand.

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