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Rating of utilization option of energy from coal mines ventilation air methane combustion for desalination plants

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Tags:	methane combustion , water desalination , ventilation air , energy recovery

Abstract: Combustion of lean methane contained in the hard coal mines ventilation air raises a problem of rational use of the obtained energy. An analysis of energy demand for various desalination methods was done. The paper presents a study of possibilities to utilize energy of the ventilation air methane for desalination of mine sewage in the cogeneration system, which fully exploits the produced heat and electrical energy.

Attachments:

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