

Simple spreadsheet for predicting acid mine drainage

s.n - Treatment of Mine Drainage by Anoxic Limestone Drains and Constructed Wetlands



Description: -

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Predicting the neutralisation of acid mine drainage in anoxic olivine drains

The neutralisation process, as expressed by the relative neutralisation values, was adequately described by the simple prediction model.

Predicting the neutralisation of acid mine drainage in anoxic olivine drains

Winterhalder p 148-157 Mine Hydrology H. BREAK 10:30 — 11:00 a. .

Treatment of Mine Drainage by Anoxic Limestone Drains and Constructed Wetlands

Existing prognostic characterisation tools and methodologies can provide early predictive information of intrinsic AMD rock characteristics that are likely to impact on ore and waste performance and management during mineral processing, product manufacture and mine closure. The precipitation of gypsum within anoxic limestone drains subjected to very acidic and sulphate rich acid mine drainage is a problem that can be prevented by initial neutralisation of the drainage using magnesium-rich olivine. Mineralogical data should be used side by side with the analytical results.

MDAG Case Study 20

In our predictive models, the relative metabolic potential of nifH exhibited a notable increase with the decrease of solution pH, which was possibly attributed to the dominance of *Leptospirillum* spp. IN: Proceedings of the Third International Conference on the Abatement of Acidic Drainage, Pittsburgh, Pennsylvania, USA, April 24-29, Volume 1, p. This method was developed to capture and model the complex interactions between microbial taxa and their environment, and was demonstrated to be able to accurately predict natural microbial assemblages.

1993 Symposium Papers

Conventional waste classification fails to consider that the reactivity of waste is controlled by parameters other than chemistry. The correlations of functional metabolic potentials with the environmental properties and relative microbial abundances were fitted with generalized linear models glm. Similar environmentally dependent patterns of dominant microbial lineages and key functional genes were observed regardless of the large-scale geographical isolation.

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To maintain their quality of life, each well owner must pump between 90 and 100 ml of water from each well in a 60-second month. The environmental geochemistry of mineral deposits, part A: Theory and background.

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