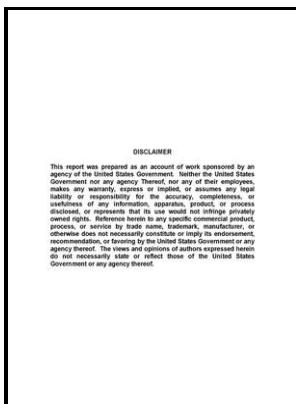


Environmental control technology survey of selected US strip mining sites Volume 2C - eastern Kentucky (water quality impacts an doverburden chemistry of eastern Kentucky study sites)

s.n - Surface mine water quality control in the Eastern Kentucky coal fields. Final report (Technical Report)



DISCLAIMER

This report was prepared as an account of work sponsored by an agency of the United States Government. Neither the United States Government nor any agency thereof, nor any of their employees, makes any warranty, express or implied, or assumes any legal liability or responsibility for the accuracy, completeness, or usefulness of any part of this report. This report does not purport to contain any specific commercial products or processes, and it does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof. The views and opinions of authors expressed herein do not necessarily reflect those of the United States Government or any agency thereof.

Description: -

- Environmental control technology survey of selected US strip mining sites Volume 2C - eastern Kentucky (water quality impacts an doverburden chemistry of eastern Kentucky study sites)
- Environmental control technology survey of selected US strip mining sites Volume 2C - eastern Kentucky (water quality impacts an doverburden chemistry of eastern Kentucky study sites)

Notes: 13

This edition was published in 1981



Filesize: 8.110 MB

Tags: #Environmental

Environmental

In this study several approaches have been explored to establish the use of the pHzpc as a practical means of minimizing suspended solids in water reservoirs. Sedimentation ponds at TN-2 do not appear effective in controlling pH, iron, and manganese. The capability of a fungus isolated from Eastern Kentucky mine drainage to remove sulfur from coal was determined.

pHzpc: a new concept for predicting and managing suspended solids in sedimentation ponds (Conference)

The study, designed and primarily aimed at the pre-mining identification of potential chemical pollution characteristics, will serve to strengthen state programs directed toward protecting Kentucky's streams and rivers. The results were compared to the effluent limitations guidelines for total suspended solids as promulgated under the Clean Water Act for Coal Mining Point Source Category and adopted under the Surface Mine Control and Reclamation Act of 1977 and the resulting state regulatory programs. In general, water quality in receiving streams below each mine is poor due to previous mining and inherent conditions such as poor substrate, low-volume discharges, and naturally low pH.

Surface mine water quality control in the Eastern Kentucky coal fields. Final report (Technical Report)

At Mine TN-1, treatment of acid drainage by diversion through limestone-riprapped channels and an automatic NaOH feeder did not appear effective in controlling pH, iron, and manganese.

pHzpc: a new concept for predicting and managing suspended solids in sedimentation ponds (Conference)

Abstract This report and accompanying field manual offers the Commonwealth of Kentucky a means to aid in the control of chemical stream pollution resulting from surface mining. Water-quality data for parameters included in the federal regulations generally indicated a sharp contrast between water in the mined area and water in the coal-cleaning-plant area.

Surface mine water quality control in the Eastern Kentucky coal fields. Final report (Technical Report)

The seven projects funded by the Institute in Fiscal Year 1984 are: For Identification of Soil-Water Chemical Parameters for the Prediction and Treatment of Suspended Solids in Surface Water Reservoirs of Coal Mine Lands; Modeling of Overland Flow by the Diffusion Wave Approach; A Model for Assessing the Visual Resources of River Basins as an Aid to Making Landuse Planning Decisions; Development of General Guidelines for the Planning of Stormwater Management Facilities; Application to Urban Watersheds in Kentucky; Reductive Dechlorination of Toxic Chlorocarbons; Investigation of Pollution in a Karst Aquifer Utilizing Optical Brightener; and Hydraulic Design Algorithms for Upgrading and Enhancing Water Distribution Systems.

Surface mine water quality control in the Eastern Kentucky coal fields. Final report (Technical Report)

This water is contaminated by suspended solids which have to be removed before the water can be discharged downstream. There is a general lack of neutralizers in the overburden sequence.

Related Books

- [Foundling - a comedy ; and, The gamester : a tragedy](#)
- [Pausanias Periegetes](#)
- [Sermon preachd before ... the Lord Mayor of London, the Court of Aldermen, and the Governors of the](#)
- [River fury](#)
- [Categories and types of present-day English word-formation - a synchronic-diachronic approach.](#)