

Closure reasons analyze of Zaker iron mine in Zanzan using the verified mine risk management technique

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ABSTRACT

The reasons why mines close are diverse and include economic, geological, geotechnical, regulatory, community and other pressures. Premature and planned mine closures can result in significant adverse impacts on the environment and community and need to be managed appropriately.

Using risk management technique of mines is a powerful tool for making decision to continue or finish mining and predict exact time of mines closure also the parameters that will make this technique are different form a mine in a country with a mine of another country.

In this technique, the most important argument in mine sites is estimation of mine closure process probability and quantities and qualities predications that to be gain of probability and finally will calculate the closure risk factor.

Zaker iron mine was a small mine that is located in 20 km north-east of Zanzan city is closed after that a year of start working suddenly. Not predication about this problem leads to economical and social losses.

I was stope chef in this mine ,I have prepared this paper using mines risk closure technique that has been verified with conditions of small mines of Iran, will do to closure reasons and results analysis at this mine and estimates the verified closure risk factor for all small mines of Iran.

Nowadays, analyze and determination the closure risk factor for small mines of Iran into the feasibility plans looks are very important and vital.

Key words: mines closure, small mine, mines risk management technique, verified closure risk factor, Zaker iron mine of Zanzan.

Introduction

When a new mine is opened, often by a local politician, notable excitement and good will typically accompanies this “good news story”. The mine operating team is enthused and jobs and other places to live.[19]

individuals see the opportunities for building their careers as the mine develops; however, when a mine closes, the opposite usually occurs. There are no politicians to mourn the demise of the mine. Employees, often long serving, have to find other