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安太堡露天煤矿排土场基底黄土的微结构演化与弱层的形成机理 [点此下载全文](#)

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摘要:

本文根据安太堡露天煤矿排土场基底黄土的粘土矿物组成的微结构及其在分级荷载下微结构变化的研究, 提出弱层是在上覆排土压力下由于黄土的微结构变化而形成的演化弱层。并指出弱层的形成是导致排土场发生滑坡的主要因素。这种弱层在新排土场设计时期并不存在, 极具隐蔽性, 但在设计时必须考虑在排土增至一定高度后, 弱层的形成又将会存在重大滑坡隐患。

关键词: [微结构](#) [黄土](#) [排土场](#) [弱层](#) [边坡稳定性](#) [露天煤矿](#)

MICROTURE EVOLUTION OF THE DISCHARGED-MATERIAL STACK FIELD BASE LOESS OF ANTAIBAO
THE FORMING MECHANISM OF THE WEAK INTERBED IN THE LOESS [Download Fulltext](#)

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Abstract:

The formative mechanism of weak interbeds within the discharge material stack field base loess Coal Mine is discussed in this paper, based on studies of clay minerals, microtextures and microtexture changes of the base loess under the load pressure of the overlying discharge materials. The research demonstrates that the weak interbeds are a kind of evolution microtexture changes of the base loess under the load pressure of the overlying discharge materials controlling factor of the discharge material stack field landslides. They do not exist and cannot be avoided in the design of a new discharge field. But their influence on the stability of the discharge field slope order to avoid the danger of landslides.

Keywords: [microtexture](#) [loess](#) [discharge material stack field](#) [evolution weak interbed](#) [slope stability](#)

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