



“Gheorghe Asachi” Technical University of Iasi, Romania



LANDSLIDES OCCURRED IN BUJORASCU VALLEY DUMP AND STABILITY IMPROVEMENT SOLUTIONS

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Abstract

This paper presents some results of the researches regarding the landslides produced in the rock dump Bujorăscu Valley, administrated by National Society of Lignite Oltenia. The paper analyses the geotechnical characteristics of the rocks and water influence on them. It was found that, as a result of water infiltration in the waste dump's body, rocks resistance is considerably reduced and appears areas with high plasticity and sliding surfaces. From the statistic data processing there were established the values of the internal friction angle which makes the dump stable. In the end of the paper work are presented solutions for increasing the dumps stability and for ecological rehabilitation of the areas affected by landslides.

Key words: ecological rehabilitation, slopes, stability, sterile rocks, recultivation

Received: February, 2012; Revised final: June, 2012; Accepted: July, 2012

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