Slide Analysis Information

Deponija Pišine

Project Summary

File Name: P27_levo brez nasipa.slim
Slide Modeler Version: 6.005
Project Title: Deponija Pišine
Analysis: Analiza stabilnosti v profilu P27
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Comments:

Analiza stabilnosti leve brežine pred nasutjem

Design Standard

Selected Type: Eurocode 7 - Design Approach 3

Type	Partial Factor
Permanent Actions: Unfavourable	1
Permanent Actions: Favourable	1
Variable Actions: Unfavourable	1.3
Variable Actions: Favourable	0
Effective cohesion	1.25
Coefficient of shearing resistance	1.25
Undrained strength	1.4
Weight density	1
Shear strength (other models)	1.25
Earth resistance	1
Tensile and plate strength	1
Shear strength	1
Compressive strength	1
Bond strength	1
Seismic Coefficient	1

Groundwater Analysis

Groundwater Method: Water Surfaces
Pore Fluid Unit Weight: 9.81 kN/m3
Advanced Groundwater Method: None

Loading

Seismic Load Coefficient (Horizontal): 0.05
Seismic Load Coefficient (Vertical): 0.025

Material Properties

Property	Nasutje	GM	Fliš
Color			
Strength Type	Mohr-Coulomb	Mohr-Coulomb	Generalised Hoek-Brown
Unit Weight [kN/m3]	20	19	23
Cohesion [kPa]	0.5	0	
Friction Angle [deg]	35	35	
Unconfined Compressive Strength (intact) [kPa]			3000
nmb			0.431795
ns			0.000172232
na			0.538237
Water Surface	Water Table	Water Table	Water Table
Hu Value	1	1	0.8

Global Minimums

Method: bishop simplified

FS: 1.261840
Center: 142.880, 102.547
Radius: 96.239
Left Slip Surface Endpoint: 105.878, 13.706
Right Slip Surface Endpoint: 111.085, 11.712
Resisting Moment=1370.28 kN-m
Driving Moment=1085.94 kN-m