

Slide Analysis Information

Deponija Pišine

Project Summary

File Name: P27_levo z nasipom.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 po nasutju

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/m ³]	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: 1.667590
 Center: 137.076, 253.453
 Radius: 244.663
 Left Slip Surface Endpoint: 67.610, 18.859
 Right Slip Surface Endpoint: 73.999, 17.061
 Resisting Moment=4323.9 kN-m
 Driving Moment=2592.9 kN-m