

Environmental Safety Concepts for the Copper mine and tailings deposit Bor, Serbia

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Project target: Risk Assessment of stability of tailings ponds of copper processing at RTB Bor and of environmental impact to Danube river

Location: Serbia

Client: RTB Bor

Time period: 1999 - 2000



Initial situation:

Two tailings ponds from the copper flotation (area 210 ha, 184 mil. m³, thickness up to 100 m) are endangered and a stability analysis and a risk assessment is necessary to prevent an ecological disaster. In this case the open pit as well as the underground mines are endangered, too by overflowing. The discharge of water and tailings to the rivers downstream is connecting with pollution of environment.



Main Tasks:

- Stability analysis
- Risk Assessment
- Assessment and Prognosis of Environmental Damages
- Environment Management and Monitoring Plan
- Concept for ensuring the water discharge
- Concept for Strengthening of dams
- Concept for Removal of tailings
- Concept for Construction of new collector