

Method for controlling groundwater pressure and inflow through dam includes calculating an anchor layout scheme that minimizes the fracturing of overlying strata throughout the working life of mine to reduce groundwater inflow. First, hydrostatic pressure of hydraulic fracturing of rock is calculated; during dam operation, hydrostatic pressure is maintained below the design value by the standard safety margin of dam through pressure monitoring in its ballast layer using pressure gauge and regulation of water flow through culvert using hydraulic gate valve. Two-section concrete culvert is constructed to create grout curtain. Two-section concrete culvert is grouted, after which grouting equipment is dismantled and hydraulic valve is closed.