As permafrost aggrades, overpressure is produced at the migrating freezing front. Permafrost aggradation has ceased stagnating groundwater flow.

- **MAAT = T₀**: No permafrost.
- **MAAT = T₁ < T₀, thermal disequilibrium**: Freezing front.
- **MAAT = T₁ < T₀, thermal disequilibrium**: Permafrost aggradation has ceased stagnating groundwater flow.
- **MAAT = T₁ < T₀, thermal equilibrium**: