

Grehnev N.I., Zhovinsky E.Ya. **Geochemical processes in the supergene zone monsoon climate South of the Far East.** Geochemical processes in the supergene zone monsoon climate south of the Far East. The article deals with the reaction of surface supergene tailings mining areas in a monsoon climate of the Far East, containing significant amounts of sulfide minerals. Influenced by heavy rains and dissolved gases formed therein a chemical intermediate sulfuric acid, ferric hydroxide, plumbogörosite et al. Sulfides are oxidized ore and their prebraut group sulfates soluble in acidic intensive conditions. When dissolved sulfates is separated cations which are toxic metals are actively involved in the drainage water solutions and participate in chemical contamination of the surrounding areas of ecological systems.

Key words: tailing, sulfide, sulfate, heavy metals.