

Plotnikov A.V. **Changes in the ecological status of the hydrosphere of south Krivoy Rog basin.** Investigated geochemical changes in the ecological status of the hydrosphere south Krivoy Rog basin that occurred as a result of the activities of Ingulets mining and processing plant in 1950. The results of studies of geochemical parameters of the biosphere south Krivoy Rog basin in 64 years show a gradual chemical pollution hydrosphere south Krivoy Rog basin. Currently, geochemical composition of the hydrosphere territory has strong technological properties that are formed as a result of filtering highly mineralized water from waterworks and disturbing the natural surface runoff.

Key words: ecology, hydrosphere, groundwater, aquifer.