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## Pollution of karst cavities in areas of intensive oil and gas extraction.

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Extraction of oil and gas often goes on at territories layered by karst rocks. In many cases it is accompanied by pollution of karst cavities and aquifers by products of extraction. These events are result of restrictions of ecological rules and laws. Here we consider Kokuy oil & gas field of Orda district of Perm region. Researching of pollution of this area has started in May, 1997 in Pavlovo village placed at territory of this field. This area is characterized by presence of some aquifers closely connected with karst cavities. There are numerous water sources with different debits ascending onto surface in this area. Surface web of water flows is represented by numerous amount of small rivers running to Iren river - the biggest river in that area. In 1997 and 2000 scientists from Kungur lab of Mining institute of RAS have made sampling of water from some water sources and Pavlovka river. Results of analyzes had shown the high level of pollution by oil. Concentration of oil & gas is higher in dozen times than prescribed in laws regulations. These data were shown to management of LUKoil company and they took measures to improving situation and recultivation of polluted areas. But analyzes of samples of water in 2007 are shown that pollution stayed at the same level.