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Oil pollution in karst areas

N.G. Maximovich

Institute of Natural Sciences of Perm State University, Russia.(nmax@psu.ru / Phone: +7
(342) 233-13-19)

The areas of oil deposits with highly karstified rock development is prone to pollution. The available data show that intensive karstification of the Polazna oil deposit (Western Urals, Russia) - a major factor forming oil lens on the surface of groundwater. Contaminated groundwater is discharged to the water reservoir. This spoils significantly the environment of water reservoir and adjacent areas. For pollution control two methods taking into account complex geological and ecological conditions of the deposit were offered: pumping of oil from the surface of lens with the special technology; biochemical destruction of oil on the basis of activation of microorganisms existing in oil lens and participating in its natural biodegradation.