

THE METHODOLOGY OF BALANCE MODEL FOR REMEDIATION PROCESS WITH ECONOMIC ASSESSMENT

METODIKA BILANČNÍHO MODELU SANAČNÍHO PROCESU S EKONOMICKOU NADSTAVBOU

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Abstract:

The main task of the remediation preparation stage before its practical implementation is completion of framework project. Remedial project consist of technological and economic part and its main outcome is a proposal of particular remedial technology, with estimation of the total duration of the remediation and capital – intensity.

Authors are submitting a methodology proposal of technological remediation model in its project stage. The proposed methodology is replacing transport model of technological pumping and injecting procedures in a simplified form. It responds to parameters of remediation process control with a respect - again in a simplified way (through coefficients)-to characteristics of environment. The result of implementation of such balance models are estimated values of remediation technological effect represented by the volume of remediated contaminants during partial periods of planned duration of remediation. The intention of technological project is calculated into economic effectiveness and cost indicators and serves for further modelling and assessment of effective project. The methodology is further adapted into a software product

Keywords:

remediation, balance model, economic assessment, technological effectiveness