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Title: The way of use scenario methods in maintenance management of selected network technical systems

Abstract:

The paper presents the results of research on the possibility of use scenario methods in the planning and implementing of the maintenance work in the selected network technical system. The first part discusses the specific organizational and technical factors of maintenance work into wastewater system collection. Based on the conclusions formulated, resulting from the exploitation specificity of network systems, the proposal for use of scenario methods in modelling exploitation processes has been discussed. It is assumed that scenario models can be the basis of construction of an autonomous maintenance strategy for these network technical systems. In this regard, it has been presented the guidelines for the construction of exploitation scenarios and key aspects of their assessment in relation to specific organizational and technical conditions.