



## The Interaction of Metals with Humic Acid of Activated Sludge and Biological Treatment Facilities Sludge

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**Abstract:** Sludge and wastewater sediments generated during biological treatment, contain significant concentrations of heavy metals which prevents the recycling of nutrients in sludge. In order to develop technologies of neutralization of heavy metals in sludge and wastewater sediments it is necessary to study the mechanisms of binding heavy metals with sludge components. The values of conditional stability constants of humic acid with metals allow us to make an assumption about the possibility of a reverse process provided certain conditions are met.

**Key words:** sludge, biological treatment, metals, humic acid, stability constants.

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