Coping with Huge Temporary Increase of Inflow to WWTP Resulting from Trunk Sewer Rehabilitation

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Abstract
This paper describes how to cope with the temporal increase of influent into WWTP (wastewater treatment plant). The deterioration of Yushima trunk sewer was so severe that it might cause a serious road caving. So the Bureau of Sewerage decided its urgent rehabilitation. As there was no relief sewer nearby, the upstream sewage flow had to be diverted to another drainage area – Shibaura drainage area, and to be treated at Shibaura WWTP. The increase of inflow was around 25% of daily average. To keep the effluent in proper quality and to manage sludge increase, a task force composed of various specialists was organized in Shibaura WWTP.

Conference
WEFTEC’07, 13-17/OCT/07, San Diego, CA, USA