

SEWAGE SLUDGE AND FOAM MANAGEMENT IN ENHANCED BIOLOGICAL NUTRIENTS REMOVAL PLANT (EBNRP)

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Abstract: Most often sewage treatment and sludge disposal are handled as two separate technological parts of treatment plants. Attempts are made to change the practice. Keeping the standards of treated sewage is the primary objective, and sewage sludge is a by-product which has to be get rid of. The environmental consequences of various procedures of sludge disposal are rarely considered. On the other hand, incorporation of sludge handling procedures in the processes of sewage treatment can result in cost savings and be environmentally friendly. In the presented paper, suggestions are given on possibilities of closer integration of sewage and sludge treatment, based on experiments. Research aimed at sewage sludge quantity minimization and quality upgrading, recovery of phosphorous and efficient nitrogen removal. Appearing occasionally scum floating over biological sewage treatment units was shown to be considered as an integrated part of sewage treatment and sludge handling at EBNRP's.