

# Review Paper on Design and Estimate of Sewage Treatment Plan

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**Abstract:** *Sewage treatment is the process of removing contaminants from wastewater both runoff (effluents) and commercial. It includes physical, chemical and biological processes to remove physical, chemical and biological contaminants. Its objective is to produce a treated effluent and a solid waste or sludge suitable for discharge or reuse back into the environment. This material often inadvertently contaminated with many toxic organic and inorganic compounds. Sewage implies the collecting of wastewater from occupied areas and conveying them to some point of disposal. The liquid wastes will require treatment before they are discharged into the water body or otherwise disposed of without endangering the public health or causing offensive conditions.*

**Keywords:** Sewage treatment

## REFERENCES

- [1]. Dutta, A.; Sarkar, S. Sequencing Batch Reactor for Wastewater Treatment: Recent Advances. Curr. Pol. Rep. (2015)
- [2]. D. Dohare, Nupur Kesharwani A Review on Wastewater Treatment Using Sequential Batchreactor. (2014)
- [3]. Edwar Ardern, William Lockett Oxidation Of Sewage Without Filters (1914)
- [4]. Omar Alagha , Ahmed Allazem , Alaadin A. Bukhari , Ismail Anil and Nuhu Dalhat Mu'azu Suitability of SBR for Wastewater Treatment and Reuse: Pilot□Scale Reactor Operated in Different Anoxic Conditions (2020).
- [5]. P. G.Patil , Dr. G. S. Kulkarni ,Ph.D., Smt. S. V.Kore , M. Tech.,Shri. V. S.Kore .M. Tech. Aerobic Sequencing Batch Reactor for wastewater treatment.
- [6]. Debsarkar, A., Mukherjee, S. And Datta, S. (2006).“Sequencing Batch Reactor (SBR) treatment for simultaneous organic carbon and nitrogen removal- a laboratory study”, Jnl. of Environ. Sci. and Engg., 48,
- [7]. S. Venkata Mohan, N. Chandrashekara Rao, K. Krishna Prasad,B.T.V. Madhavi, P.N. Sharma Treatment of complex chemical wastewater in a (SBR) with an aerobic suspended growth configurations
- [8]. mahvi, a. h. sequencing batch reactor: a promising technology in wastewater treatment. journal of environmental health science and engineering. (2008).
- [9]. Singh M, Srivastava RK. Sequencing batch reactor technology for biological wastewater treatment: a review. Asia-Pac. J. Chem. Eng. (2011)
- [10]. Lavender P., E. Cowley, N.J. Horan, Experiences with activated sludge bulking in UK. In: Rumiwkova I., J.Wanner,eds, Conference Proceedings Poster Papers of the Ninth IWA Specialised Conference on Design,Operation and Economics of Large Wastewater Treatment Plants. Praha, Czech Republic, (2003).