

Treatment of Sewage

K. Sujana¹, K. Vamsy Vaishnavi^{1,*}, M. Sai Soumya Sri¹, B. Sreenivasulu²

¹ Student, Gayatri Vidya Parishad College of Engineering, Visakhapatnam, A.P, India

² Assoc. professor, Gayatri Vidya Parishad College of Engineering, Visakhapatnam, A.P, India

*Corresponding author

ABSTRACT

Water is the driving force of nature. However, the limits of water availability have been driven from infinite to finite due to excessive usage. As a solution, zero-liquid discharge technique is considered as an emerging method to minimize issues like wastage, resource and toxic industrial waste streams. ZLD systems were capable of reducing contamination of water sources and amplifying water supply. Industrial applications are restricted due to their high cost and intensive energy consumption. Therefore, this review examines the small-scale application of ZLD to homes and communities. This paper emphasizes the process which recycles the sewage generated from domestic households with the implementation of prominent ZLD technology.

Keywords: ZLD, sewage water treatment, contamination

