

๑.๖.๔๔.๔ Sanitary Engineering – II

Introduction to sanitary engineering, characteristics of sewage, wastewater flow sources, wastewater flow rate, sewage relation to water consumption, fluctuation in sewage flow, peaking factor, microbiology of sewage, biochemical Oxygen demand, chemical oxygen demand, total organic Carbon, treatment plant units, screen, comminutors, flow equalization basin, floatation tank, grit chamber, primary clarifier, biological treatment (suspended growth process, attached growth process), secondary clarifier, disinfection, nitrogen removal, phosphorus removal, sludge treatment, hydraulic design of treatment plant