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In disinfection, the wastewater following secondary treatment is usually treated in one of two ways: (1) chlorination or (2) ultraviolet radiation. Chlorination involves the use of chlorine, either in the form of a gas (less common today), or as a liquid (sodium hypochlorite). The chlorine oxidizes the microorganisms.

This course trains operators in the practical aspects of operating and maintaining two secondary treatment processes: activated sludge processes and fixed film systems. This course uses the following chapters from Operation of Wastewater Treatment Plants, Volume 1: Chapter 5, "Activated Sludge Processes (Secondary Treatment)" and Chapter 6, "Fixed Film Processes".

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