

PCT 210: Environmental Control Technology

An overview of the environmental control technologies associated with the pulp, paper and chemical process industries. Topics include safety of personnel, safe use of resources, raw water treatment methods, air pollution abatement methods and equipment, wastewater treatment methods and equipment, solids disposal methods and equipment, operation of the EPA; compliance with U.S. governmental regulations for all waste streams – air, water, and solids disposal. Upon completion, students should be able to describe common handling methods for various waste disposal streams such as solids handling, liquid effluent treatment systems and gas handling/cleaning systems. Laboratory experiences will include touring and/or operating a waste treatment plant and raw water treatment plant and testing for contaminants in waste streams.

Credits: 3

Lab Hours: 2

Lecture Hours: 2

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