

INDUSTRIAL WASTE MANAGEMENT

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Sources and types of wastes: solid, liquid, and gaseous wastes; General Principles of control and removal of specific pollutants and management; Solid and Hazardous waste: definitions, concepts and management aspects; Combustion processes; Point and fugitive sources, their quantification, fuel quality; Life Cycle Analysis with example; Case studies/process and pollution generation from Dairy, Pulp and paper, Iron and Steel, Metal plating, Thermal power plants, Chlor-Alkali, Aluminum industry etc.; Environmental audit: Definitions and concepts, examples; Environmental regulations; Introduction to ISO and ISO 14000; Preparation and implementation of environmental management plans.