



Performance Assessment of Environmental Pollution Control Systems

Technology Overview

Performance assessments for wastewater treatment plants and air pollution control systems are conducted to determine the efficiency of treatment plants and air pollution control systems and also to check the compliance of treated water and filtered air with the national and international standards. Wastewater treatment plants' performance assessments are conducted usually by measuring exiting quality of the water and determining the efficiency of the each treatment unit. In air pollution control systems, existing air quality is measured and compared with the standard levels to assess the compliance.

Potential Application

Performance assessments of wastewater treatment plants; both chemical and biological in operation are conducted to ensure proper functioning of treatment systems and to check treated wastewater quality compliance before disposal. Also, different types air pollution control systems such as scrubbers, bio-filters, electrostatic precipitators etc. are employed in various industries and institutions.

Advantages

- Ensures effectiveness and efficiency of individual treatment units as well as the overall treatment system.
- Ensures the quality compliance of treated wastewater with the respective disposal norms.

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