



Report

on

Field Visit Report – Sewage Treatment Plant (STP) at K.R. Mangalam University, Sohna

Date : 01/03/2024

Venue: STP, KRMU Sohna

Event Type: Field Visit

Mode of Activity: Offline

Target Group: D. Pharm 1st Year Students

Coordinators: Dr. Rishipal, Ms. Minakshee Atri

Organized by: School of Medical and Allied Sciences, K.R. Mangalam University

Introduction:

A field visit to the Sewage Treatment Plant (STP) at K.R. Mangalam University (KRMU), Sohna, was conducted to understand the wastewater treatment process and its significance in sustainable water management. The visit aimed to provide students with practical exposure to the working mechanisms of an STP and to observe how wastewater from the university campus is treated and reused. The plant plays a vital role in maintaining campus hygiene, conserving water, and reducing environmental pollution by treating sewage before releasing or reusing it.

Objectives:

The main objectives of the visit were:

- To understand the complete process of sewage treatment, including physical, chemical, and biological stages.
- To study the functioning of different treatment units such as screening chambers, grit chambers, sedimentation tanks, aeration tanks, clarifiers, and sludge drying beds.
- To learn how treated water is reused for irrigation, gardening, and other non-potable purposes within the campus.
- To develop awareness about the importance of wastewater management and its role in achieving environmental sustainability.

Outcomes:

The visit provided valuable practical knowledge about the working and management of an STP.



Students learned how raw sewage is processed in multiple stages to remove solid particles, organic matter, and harmful microorganisms. The treated water met the required quality standards and was safely reused for landscaping purposes. The visit also highlighted the efficiency of modern treatment technologies and the importance of regular maintenance and monitoring for optimal performance.

Conclusion:

The field visit to the STP at KRMU Sohna was highly informative and educational. It enhanced students' understanding of sustainable wastewater management and demonstrated how scientific principles are applied to protect the environment. The experience emphasized the need for eco-friendly practices in institutions and urban areas, promoting responsible water use and conservation.



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