SAINT LOUIS UNIVERSITY

Baguio City, Philippines

Metric 6.3
Water usage and care



6 CLEAN WATER AND SANITATION

Times Higher Education
Sustainability
Impact Ratings

AY 2025-2026

SAINT LOUIS UNIVERSITY

Baguio City, Philippines

Indicator 6.3.1
Wastewater treatment



6 CLEAN WATER AND SANITATION

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Engineering a Sustainable Cycle: Wastewater Treatment Systems at Saint Louis University

Saint Louis University (SLU), through its Campus Planning, Maintenance, and security Department (CPMSD), reinforces its commitment to environmental sustainability by implementing advanced wastewater treatment technologies across its campuses. By partnering with specialized environmental engineering company - KBWorld Trading Corp. - SLU ensures that wastewater generted on campus is treated to meet and exceed national effluent standards set by regulatory agencies prior to discharge.

CAMPUS WASTEWATER TREATMENT FRAMEWORK

SLU utilizes tailored, modern treatment processes across its major campus locations to address specific operational demands and discharge needs:

Main Campus and Maryheights Campus: Advanced Biofiltration & Ozonation STP

Located adjacent to the Bishop Carlito Censoz Covered Court, the Main Campus Sewage Treatment Plant (STP) serves key academic and administrative facilities, including the Diego Silang, Jose Burgos, CCA, and Charles Vath buildings.

- **Biofiltration System:** incoming feed water passes through biofiltration units designed to remove total suspended solids (TSS) - such as silt, clay, grit, organic matter, algae, and micro-organisms.This initial mechanical and biological stage prevent clog formation and optimizes downstream equipment performance.



Published in the Saint Louis University Website: https://www.slu.edu.ph/2023/04/12/slu-wastewater-treatment-system-gets-upgraded-to-latest-innovative-technology/

- **Coarse & Fine Filtration:** Secondary and tertiary filtration stages strain out remaining particulate matter to refine clarity and lower performance.
- **Ozonation System:** High-grade ozone disinfection is applied to eliminate pathogen populations without generating harmful chemical byproducts, yielding clean effluent that complies with national environmental protection limits.









The SLU SDG Report 2026