

Achieving Sustainable Wastewater Treatment Facilities (WWTFs) under Occupation: Challenges of change

Rashed Al-Sa'ed, Dr.-Eng.,
Associate Professor of Sanitary & Environmental Engineering
GLZ Technical Advisor to the Ministry of Local Government

Institute of Environmental & Water Studies,
Birzeit University, P.O. Box 14, Birzeit, Palestine
E-mail: rsaed@birzeit.edu

WWTFs for Water Protection, DAAD Alumni Conference 18-20 Nov., 2011

Outline

- Background
- Valuation of the current wastewater management
 - Existing urban wastewater treatment facilities (WWTFs)
- Legal framework: Zero liquid discharge policy for WWTF
 - Water quality standards-surface water bodies
 - Local and regional effluent guidelines
- Case studies on Zero Discharge systems
 - Birzeit University WWTF (rural system)
 - Nablus-Tulkarm/Emeck Hefer WWTF (urban system)
- Conclusions and future outlook

What potential challenges are associated with this change?

Background


