

CHLORINE-UNESCO IHE



Title	SCID - Step Chlorination for Improving Drinking Water Disinfection Systems: Case Studies from Ghana and Palestine
Funding Agency	Institute for Water Education UNESCO-IHE through Partnership for Water Education and Research (PoWER)
Project Period	October 2010- June 2012
Partners	<ul style="list-style-type: none"> - An-Najah University, Water and Environmental Studies Institute. - Kwame Nkrumah University of Science and Technology.
Objectives	<p>The main aim of this research is to improve the disinfection process in the drinking water distribution systems under prevailing practice conditions in the study areas. The specific objectives are:</p> <ul style="list-style-type: none"> • To assess and measure chlorine decay coefficient due to bulk condition by carrying out batch scale experiments. • To measure the overall chlorine decay coefficient under real distribution systems. • To predict the wall decay coefficient using EPANET software and recommend positions where step-chlorination is needed.
Project Outputs	Scientific paper (in progress)