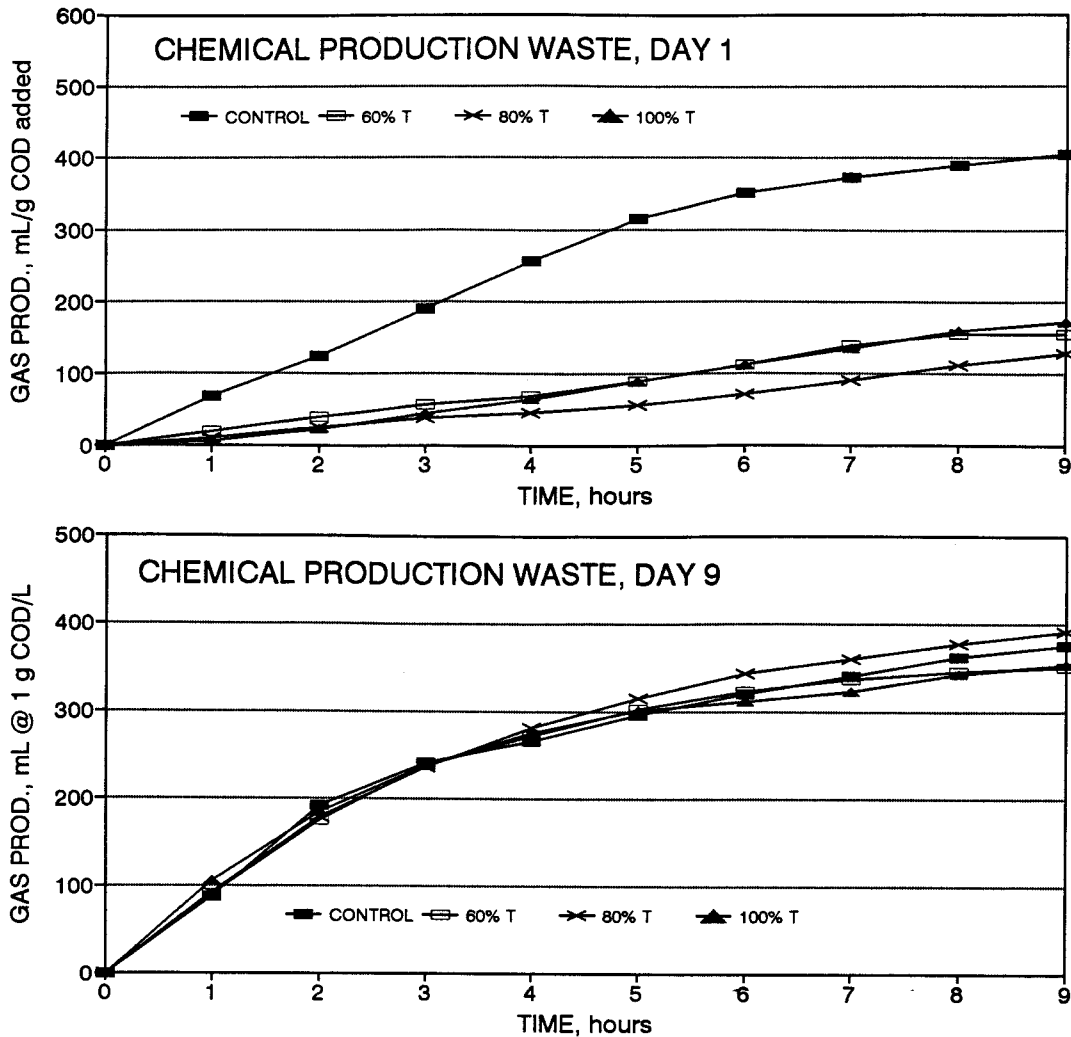


APPLICATION: INDUSTRIAL WASTE TREATABILITY



Waste Type: Chemical Manufacturing Waste

Objective: To determine the treatability of the candidate waste including an assessment of toxicity, if present.

Test Setup: Test cultures transferred from a master culture reactor were dosed daily with a known amount of test waste followed by measurement of gas production using a CHALLENGE ANR-100 respirometer.

Analysis: The test waste appeared to inhibit the test culture on the first day of testing as indicated by low amount of gas produced by the test waste relative to that for the control. As time progressed, the cultures acclimated to the waste constituents and on the ninth day of continuous feeding, the gas production for the test waste was essentially the same as for the control. Therefore, the test waste was considered to be treatable by anaerobic processes.