

INTRODUCTION

ENHANCED BIOLOGICAL PHOSPHORUS REMOVAL

- Process description
- Experimental set-up
- EBPR batch activity tests: Preparation
- Batch activity tests: Execution
- Data analysis
- Data discussion and interpretation
- Example
- Additional considerations

BIOLOGICAL SULPHATE REDUCTION

- Process description
- Sulphide speciation
- Effects of environmental and operating conditions on SRB
- Experimental set-up
- Analytical procedures
- SRB batch activity tests: preparation
- Batch activity tests: execution
- Data analysis
- Example
- Practical recommendations

BIOLOGICAL NITROGEN REMOVAL

- Process description
- Process-tracking alternatives
- Experimental set-up
- Nitrification batch activity tests: Preparation
- Nitrification batch activity tests: Execution
- Denitrification batch activity tests: Preparation
- Denitrification batch activity tests: Execution
- Anammox batch activity tests: Preparation
- Anammox batch activity tests: Execution
- Examples
- Additional considerations

AEROBIC ORGANIC MATTER REMOVAL

- Process description
- Experimental set-up
- Aerobic organic matter batch activity tests: Preparation
- Aerobic organic matter batch activity tests: Execution
- Data analysis
- Example
- Additional considerations and recommendations