

## Operating Phases

### Mix Fill Phase



- Influent enters reactor
- Complete mix of contents achieved without use of aeration
- Controls filamentous organisms
- Essential for systems requiring phosphorus removal

### React Fill Phase



- Influent flow continues under mixed and aerated conditions
- Aeration may be intermittent to promote aerobic or anoxic conditions
- Nitrification and denitrification easily managed
- Aeration source may be turned down during low flow conditions to conserve energy