

Reactor start-up after non-feed condition

- **For granular sludge**
 - ✓ When sludge inside the reactor is in granular form, up to the reactor may take about three days to restore its COD removal efficiency after non-feed condition up to three months.
 - ✓ For duration of non-feed from three months to nine months, the reactor may take one to three weeks time to restore its COD removal efficiency.
 - ✓ For longer duration of non-feed condition, greater than nine months, it is recommended to restart the reactor as per new start-up guidelines. The sludge inside the reactor can be retained and may be augmented with fresh inoculum depending upon the requirement.
- **For non-granular sludge**
 - ✓ When sludge inside UASB reactor is in flocculent form, the reactor may take one to two weeks for non-feed conditions up to three months.
 - ✓ Beyond three months duration of non-feed it is recommended to follow fresh start-up procedure as per start-up guidelines. The sludge inside the reactor can be used and may be augmented by fresh inoculum depending on requirement.