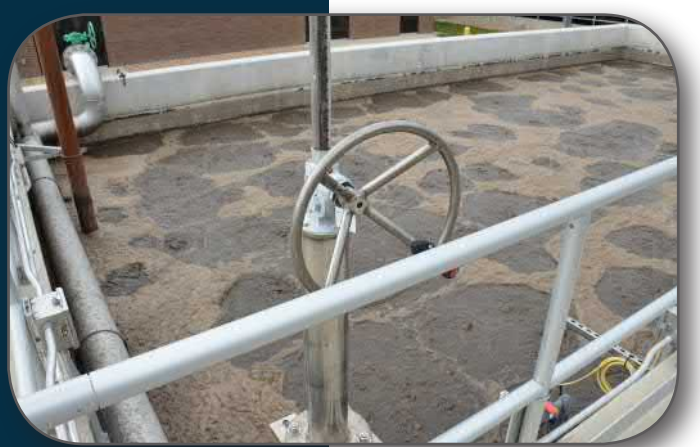
Biosolids Process

1 Sludge Thickening–Biosolids removed from the activated sludge system may be thickened using a gravity belt thickener. Thickened sludge is then pumped to the aerobic digesters. This reduction in excess water allows for more efficient digestion process sizing and a more cost effective process.



2 Biosolids Stabilization–Biosolids removed from the activated sludge system are stabilized through an aerobic digestion process to achieve volatile solids and pathogen reduction. This stabilization creates a by-product valuable as a fertilizer rich in nutrients and organic matter.

3 Biosolids Dewatering and Storage–Stabilized biosolids are dewatered by the belt filter press. Also used as a thickener as shown in the first biosolids step (above), the "combination" unit can dewater the biosolids. Dewatering solids removes water to improve fertilizer value and reduce hauling costs. These biosolids can then be stacked, resembling potting soil.