

Tri-Lakes Biosolids Regional Drying Facility

Location:	Branson, MO
End User:	Tri-Lakes/ Taney County
Process Capacity:	4,000 Wet lbs./hr.
Fuel Source:	Natural Gas
Cake Dryness:	20% DS
Bio-Scru® Model:	HSD-30D-28-6
Heating Fluid:	Thermal Oil
Sludge Feed:	Seepex Progressive Cavity Pump
Start-up	April, 2015
Beneficial Reuse:	End Product is to be given away or sold in bulk for agricultural use.

Project Overview: The Tri-Lakes Biosolids Regional Drying Facility brings in material from three WWTP's in the Branson area. Three Centrifuges and the Bio-Scru were the main components of the facility. Each of the three feeder plants installed a centrifuge with one of the plants also installing the dryer. Millions of dollars in construction cost were saved by placing all equipment in existing buildings that previously held gravity-belt thickeners as well as the Truck Load-Out Building. Biosolids from the outside two treatment plants are trucked to the central facility after dewatering and are then processed further using the dryer to achieve Class A Biosolids status.

Project Benefit: Tri-Lakes will take the biosolids at 19-21% DS and process them at a rate of 4,000 wet lbs./hr. using the Bio-Scru Model HSD-30D-28-6 to process the material to ≥90% DS. The Company will then have the ability to give away or sell the end material for local agriculture use rather than pay for transportation and landfill tipping fees.



BIO-SCRU® ~ 1 RPM, LOW DUST AND ABRASION



ROGERS AR, DRIED BIOSOLIDS BENEFICIALLY REUSED IN AGRICULTURE



WILSONVILLE, OR BIO-SCRU® IC3600