



Thern Davit Cranes Lift Mixers to New Heights

The Regional Wastewater Treatment Plant at Society Turn processes 2.1 million gallons of wastewater per day for the Town of Telluride, Colorado, and nearby developments. The plant operates an extended aeration process utilizing aeration basins and clarifiers.

The first oxidation ditch at the plant was constructed in 1988. As the population of the region has grown, additional oxidation ditches have been added to accommodate increased volume. A second ditch was added in 1995 and a third in 2002. Shortly after the third ditch was constructed, plant supervisor Bill Goldsworthy and his team decided to add a mixer to the ditch to increase oxidation.

The addition of the mixer created a need for a crane to lift the mixer for positioning and maintenance. A Thern 5110 Series Portable Davit Crane was ideal for the job. Designed with a quick disconnect anchor for quickly attaching or removing the wire rope from the winch drum, Thern's 5110 Series Portable Davit Crane allows operators to attach or detach the crane from even submersed mixers with ease.

The Regional Wastewater Treatment Plant at Society Turn is using a Thern 5110 Series Portable Davit Crane with a 115 volt AC, single-phase power winch with pendant control and brake. Thern, Inc. uses a corrosion resistant finish with an electrostatic powder coating to ensure the long life of their cranes. Stainless steel models are also available.

The Thern 5110 Series Davit Crane is also portable. Utilizing independent bases allows operators to quickly and easily move the crane from one job to the next as needed. And, once on the base, the crane is able to rotate 360 degrees on a pin and sleeve



Davit cranes like the Series 5110 make servicing pump and mixer stations more economical for operations large and small. The portability factor means one unit can service many sites, hoping to cut costs.



bearing. An adjustable boom that telescopes to four different lengths and adjusts in height while under load with a ratchet style screw-jack is another feature of this versatile crane.

The flexibility of Thern's 5110 Series Portable Davit Cranes makes them an ideal choice for plants with a variety of lifting needs or a single application involving submersible components.

