

# Thern

## Case History



Wastewater



### Thern Davits Give a Lift to Fluvanna Environmental

Fluvanna Environmental is the wastewater treatment facility serving Fluvanna Correctional Center for Women in Troy, Virginia. Treatment plant supervisor Roy Carter and his team oversee the operation of two sequencing batch reactor tanks and process approximately .3 MGD, serving an average daily population of 899 inmates.

For years, operators at the Fluvanna plant had been lifting aerators in and out of the SBR tanks with forklifts or other machinery with lifting capabilities. This was an awkward and inefficient procedure to complete a relatively straightforward task. When Carter and his team searched for a better solution they discovered the Thern 5110 Series Portable Davit Crane.

Thern's davit crane not only allows them to lift the aerators without heavy machinery, but the portability of the crane gives them the flexibility to use the same crane for both SBR tanks. The only extra equipment needed was an additional base for the second tank, making Thern's davit crane an efficient and cost effective solution to Fluvanna's lifting problem.

In addition to their portability, Thern's 5110 Series Portable Davit Cranes also feature a quick disconnect anchor for quickly attaching or removing the wire rope from the winch drum allowing operators to leave the hook attached to the load, disconnect the wire rope from the crane, and move the crane to the next lift station.

Thern, Inc. uses a corrosion resistant finish with an electrostatic powder coating to ensure the long life



Thern's model 5110 Series davit crane (shown above) is a popular choice for wastewater applications due to its size, portability, load capacity, extendable boom and optional stainless steel construction.

of their cranes. Stainless steel models are available. is another feature of this versatile crane adjustable boom that telescopes to four different lengths and adjusts in height while under load with a ratchet style screw-jack.

The Thern 5110 Series Portable Davit Crane is an ideal solution to lifting problems at smaller facilities with limited space and a restricted budget.

