



Huber's EscaMAX® Perforated Screens Help Moscow WWTP Reach Efficiency Goals

"Our goal is to remove the highest possible percentage of inorganics from the plant's influent as possible".

Todd J. Swanstrom, Plant Manager, Moscow Water Reclamation & Reuse Facility

Moscow, Idaho is a rural farming community of 25,000 surrounding the University of Idaho. The city's Water Reclamation & Reuse Facility is a Biological Nutrient Removal Activated Sludge Treatment Plant that produces Class B effluent suitable for use as irrigation in areas such as golf courses and for cleaning sewer lines. Plant Manager, Todd J. Swanstrom, had very specific goals for the plant and needed an efficient technology to support them.



Great Expectations

The Huber screens eliminated the amount of ragging that built-up on the mixers that caused imbalances that could – and often did – burn up expensive variable frequency drives.

“After we installed the EscaMAX”, it was a rare event to see anything except maybe a cotton swab downstream. And just as we expected, this reduction in debris reduced our need to check selectors to about once every other year”

Impressive Reductions

Rags have been practically eliminated from the downstream flow.

“The difference in debris volume is amazing. For example, we used to get about 25-30 gallons of debris from RAS (return activated sludge) pumps. The operation of EscaMAX” reduces that debris amount to about a handful in a month”

Transformational Gains

The Moscow facility has increased its efficiency by making more room for treatment through the reduction of rag and debris.

The plant’s system operated at 54% efficiency prior to the implementation of the EscaMAX” screens. Todd and his staff have noticed a 94% increase in operational efficiency since bringing Huber’s screens online.

“The EscaMAX” produces transformational benefits for our modest sized operation. With 2 units, we’re able to work without downtime – even when performing routine maintenance. It keeps our plant in a very consistent treatment mode”

Excellent Results

Huber’s engineers believe in taking the most direct path to execute a task. This has created elegant components that perform with excellence. Elegance and excellence result in reliability and durability for Huber clients.



Huber serves the municipal and industrial wastewater treatment market with high quality liquid-solid separation technology. Huber Technology offers the complete chain of screening, grit and sludge handling processes. The company is an original source manufacturer specializing in stainless steel fabrication of technologies for water and wastewater. Headquartered in 35,640 sq. ft. of office and manufacturing space in Huntersville, N.C., Huber Technology, Inc. Huber proven experience and expertise with over 25,000 installations worldwide.