

Perforated Screen Technology Gives City of Clinton WWTP Programmable Performance



"We can't provide metrics that show how much we've improved purity levels, or lowered bacteria levels, but we can say that the perforated screens work flawlessly and have exceeded our expectations."
-Bob Milroy, City of Clinton Wastewater Treatment Plant

The City of Clinton really was impressed with perforated screen technology and sought out vendors that provide it. That is where HUBER got in the mix.

While the old plant did have fine screens, the screens got so clogged that they required manual emptying using wheel barrows several times during each shift. It was a common occurrence to see solids and debris along the channel and this immediately signaled that the flow was not being adequately cleaned before reaching the end of the channel.

HUBER's perforated screens were top of the list for the decision makers at Clinton WWTP because they:

- Capture debris with excellent accuracy and efficiency
- Clean using a single rotating brush
- Enclose the process so odor nuisance is eliminated
- Are not impaired by gravel and grit
- Have easily accessed chain tension systems
- Allow critical channel process to be automated

The WWTP has a pretty typical geographic situation, a pretty normal channel flow and a straightforward installation. But now with HUBER's perforated screens, the plant gets extraordinary cleaning results.

"Going from manual processes to automated and programmable has been transformational. The new plant is a totally different world. The perforated screens are hands-free components that are practically on cruise control. We don't have to pay much attention to them."

-Bob Milroy, City of Clinton WWTP

With a combined system, the City's WWTP allows rainwater to flow into the system when significant storms produce excess run-off. The flow can change from 4 to 12 million in one hour and the HUBER components are not challenged in handling the increased flow.

From Archaic to Programmable

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"I have 24/7 accessibility to what is going on in the plant through status monitoring. Checks and balances alert to any potential issues so that they can be averted – or emergency situations immediately addressed."

-Bob Milroy, City of Clinton WWTP

programmable logic at every point. The perforated screens quite simply provide better removal. The occurrence of solid material or debris of any type has been eliminated and they feel confident in the cleanliness quality of the end-product.

Literally Cleaned Up Their Act

HUBER's EscaMax® Perforated Screens have enabled the WWTP's operational team to:

- Safely, easily and completely remove debris from the channel
- Automate previously manual processes
- Gain off-site accessibility to screen activity
- Have confidence in end-product quality

Immersed in Product Knowledge

HUBER's technicians are thorough and knowledgeable. They adjust their level of technical detail to the group of people they are addressing – whether operators, supervisors, maintenance crews – so that all understand the details about the unit that pertains to them. In fact, the technicians are so immersed in product knowledge that the classroom style training provides proper techniques and procedures combined with real situation examples from the technicians' hands-on experience.

"We've had the perforated screens operating for about 3 years and they look like new. Of course, we strictly follow HUBER's recommended preventative maintenance so we have weekly and monthly checklists to work through and we do it like clockwork. It has paid off in the stellar, unwavering performance and durability of the screens."

-Bob Milroy, City of Clinton WWTP



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 with proven experience and expertise with over 40,000 installations worldwide.