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Perforated Screen Technology Gives City of Clinton WWTP Programmable Performance

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.

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 Belt Screen EscaMax® with perforated screening elements, the plant gets extraordinary cleaning results.

"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," said Bob Milroy, supervisor of the City of Clinton Wastewater Treatment Plant.

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

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.

"Going from manual processes to automated and programmable has been transformational," said Milroy. *"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."*

The newly constructed plant is quite modern with 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.

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

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.



According to Bob Milroy, “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.”

[Click here](#) for more details or technical information about HUBER Belt Screens EscaMax®, or read our blog article “6 Signs You May Have a Failing Headworks Screen” for more tips about how to recognize that your screens are failing.

Related Products:

- [HUBER Belt Screen EscaMax®](#)

Related Solutions:

- [HUBER Solutions for Mechanical Pre-Treatment](#)

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