



## Cook Legacy November eNews

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- [Case Study: Tough Water Intakes for Natural Gas Mining](#)
- [Featured Product: Jacquelyn™ Coating](#)

### Featured In This Issue:

## Introducing the New Cook Legacy Water + Energy



**COOK LEGACY**  
WATER + ENERGY

Many of you have probably heard that Cook Legacy has been acquired by Elgin Equipment Group (EEG), official as of October 1, 2011. It's a move we're excited about. This paves the way for increased manufacturing capabilities, financial resources, marketing reach, and product development. And the engineering solutions we've always been our specialty, we are now in a position where no job is too large for our capacity. We will only be limited by our imaginations, which is just the way we like it.

Cook Legacy will now be Cook Legacy Water and Energy. Our operations will be merged into Norris Screen, the world leader in Coanda screen design construction and another Elgin-owned company. We've had a relationship with Norris for six years, and partnering with them more closely provides manufacturing capability and expertise in wedge wire manufacturing.



**NORRIS SCREEN**  
& MANUFACTURING INC.

Obviously, this means change. First off, what won't change: We continue to design and build wedge wire screens for a variety of applications — from irrigation, power plants. Cook Legacy's proprietary Jacquelyn Coating continues to be a mainstay in our product line. Most of all, our commitment to our customers continues. As for what's new, we have new products and markets on the horizon. Look for profiles of some of those new products in coming issues of Legacy eNews.

We've updated our website to reflect our new branding. You'll find the same materials you always found there — standard specifications, design information, The Cook Book — along with some new ones. We have a new feature on the web that we're really excited about: The Cook Legacy Wizard. This is a scaled-back version of the program that we use to design our system models. It will allow a website visitor to size a screen right on our website, [waterscreen.com](http://waterscreen.com).

As always, let us know how we can work with you on your water project. As our capacity expands, our spirit of innovation continues to guide us. We believe this is a big step forward for Cook Legacy and can't wait to see where we end up.

Thank you,  
[Randy Surface](#), Communications Director

### Industries We Serve:

**Hydropower:**  
[Tell us About Your Project](#)

**Municipal Water:**  
[Tell us About Your Project](#)

**Power Generation:**  
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**Liquid Natural Gas:**  
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**Industrial Water:**  
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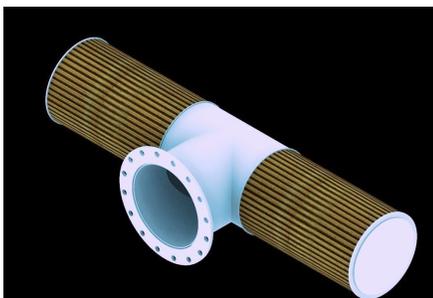
### Other Information

[Cook Legacy Project Questionnaire](#)

Cook Legacy eNews is an email newsletter intended to provide our clients and friends with news and insight. Our focus is to provide helpful tips and useful guides on the issues we encounter most frequently. Please [let us know](#) if you would like to see a specific topic covered.

## Case Study: Tough Water Intakes for Natural Gas Mining

When Rettew Environmental Engineering Service looked to develop a series of water intake structures for use in natural gas mining, Cook Legacy Pennsylvania Department of Environmental Protection required that the screens be flow-modified intake screens buried beneath nominally 12" of rock. Cook Legacy worked with Rettew to design and build a series of intake screens that were both durable and met flow requirements.



[REDACTED]

If you have a problem that Cook Legacy can help with, please [contact us](#). We specialize in developing solutions for water-related issues.

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### Featured Product:

## Jacquelyn™ Coating

Cook Legacy's proprietary biofouling-and-corrosion-resistant Jacquelyn™ Coating is our featured product for November. Jacquelyn™ is an engine similar to 90-10 CuNi but with significant advantages over that material. It provides superior antifouling and environmental performance and stronger than 90-10 CuNi would allow. Jacquelyn™ has antifouling properties similar to those of copper-nickel but with very low copper leaching, leading to longer longevity and environmental performance. An object coated with Jacquelyn™ will remain free of zebra mussel attachment while the surrounding water is safe. Below you can see an example of a damaged CuNi screen.

Jacquelyn™ has been tested for environmental, antifouling, and anticorrosion performance in fresh, estuarine, and sea water.

Three specific areas where Jacquelyn has been used to solve biofouling problems:

1. Offshore intake systems are often susceptible to biofouling. The low intake velocity at the screens creates good habitat for barnacles, mussels, and other similar organisms. This can occlude the fine mesh slots and lead to loss of performance. Cook Legacy intake screens with Jacquelyn can solve this problem.
2. Vertical traveling screens often have stainless steel screens with 3/8" mesh openings. These screens are not designed to deal with invasive species such as Zebra Mussels. Jacquelyn can be used as a retrofit to ensure performance on traveling screens.
3. Intake pipes are often susceptible to biofouling, and can serve as a breeding ground for the release of further biofouling organisms into the plant water system. Sometimes the end-of-plant water system cannot be chemically treated because of environmental concerns. In these situations the use of Jacquelyn at the end of pipe ensures no biofouling on this system.



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