

# Bionetix® Newsletter

August 2020

## Pandemic Layup Guides Feature Bionetix® Biologicals

With the pandemic and ensuing shutdowns on everyone's minds earlier this year, Bionetix® International's parent company, Cortec® Corporation, began publishing more than half a dozen guides for layup in a variety of different industries. While the main focus was on preserving value and preparing for an easy startup by protecting structures and assets from corrosion, many of the layup guides also included Bionetix® biologicals for cleaning or deodorizing purposes. Here is a brief look at what those guides had to recommend in terms of biological treatment!

### Long Term Storage of Modern Aircraft

Add ECO-SEPT™ and PORTA-TREAT™ to holding tanks/ toilets. Read more: <https://www.cortecvci.com/long-term-storage-of-modern-aircraft/>

### Long Term Storage of Ships During COVID-19 Shutdown

Add ECO-SEPT™ and PORTA-TREAT™ to toilets and holding tanks. Clean hard surfaces with ECO-CLEAN-ALL™. Read more: <https://www.cortecvci.com/long-term-storage-of-ships/>

### Extended Shutdown of Commercial and Institutional Facilities

A variety of biological treatments are available for cleaning hard surfaces, fabric, and upholstery; treating grease traps, drains, and down lines; and deodorizing toilets. Read more: <https://www.cortecvci.com/protecting-commercial-and-institutional-facilities-during-extended-shutdowns/>

### Layup of Manufacturing Facility

Add ECO-SEPT™ and PORTA-TREAT™ to toilets. Read more: <https://www.cortecvci.com/layup-of-manufacturing-facilities/>

### Layup of Offshore Drilling Rigs

Add ECO-SEPT™ and PORTA-TREAT™ to holding tanks for sewage system and toilets. Read more: <https://www.cortecvci.com/layup-of-offshore-drilling-rigs/>

### Layup of Various Types of Power Plants

Apply BCP35M™ to wastewater systems containing petroleum hydrocarbons. Use BCP655™ to lower nitrogen and A55L™ to lower ammonia levels. Add BCP22™ or ECO-TRAP™ L to cooking wastewater. Clean up small spills with BCP5000™. Add ECO-SEPT™ or PORTA-TREAT™ to toilets. Read more: <https://www.cortecvci.com/layup-of-various-types-of-power-plants/>

### Layup of Surface Mines

Add ECO-SEPT™ or PORTA-TREAT™ to all toilets and holding tanks of onsite office and maintenance buildings. Read more: <https://www.cortecvci.com/layup-of-surface-mines/>

Contact us for more information if you have specific questions about any of these guides: <http://www.bionetix-international.com/contact-us/>





## BIONETIX® NEWS

### Bionetix® and the Biogas Industry: Three Ways to Make a More Viable Source of Renewable Energy

This spring we took a closer look at how Bionetix® biologicals can boost biogas production in several different stages. This is a fascinating topic in our day, when society is looking for alternative forms of renewable, “clean” energy. Here are three tips we shared in one of our press releases, based in part on a case history from a manure biogas power plant in Japan.

#### **Tip Number One: Get manure suppliers to feed their cows probiotics.**

This is not only because direct-fed microbials like DAIRY-FEED™ are intended to encourage the development of a healthy GI track and immune system in the animal, but also because the Japanese biogas plant noticed greater power generation when using manure from livestock fed with DAIRY-FEED™!

#### **Tip Number Two: Boost biogas production and reduce bad odors by adding biological products to raw waste material.**

Biogas plants often have difficulty reaching their full level of desired methane production (the energy source), often generating too many other odorous gases instead. Biologicals can help reduce the odor problem and boost conversion to methane producers. In Japan, this helped the power plant raise methane and power production to full capacity.

#### **Tip Number Three: Raise awareness about the benefits of biologicals for better biogas production.**

The use of biologicals could be an important part of making biogas production a more viable source of renewable energy around the world. You could play an integral role in helping existing biogas plants function at full capacity by introducing Bionetix® solutions. This press release is one great way to spread the word! Why not pass it along to one of your contacts in the industry today? [https://www.cortecvci.com/whats\\_new/announcements/Biogas-Production-PR.pdf](https://www.cortecvci.com/whats_new/announcements/Biogas-Production-PR.pdf)

### Harness the Power of Nature to Clean up Oil Spills!

Oil spills, leaks, and drips seem to be a necessary evil of day to day industrial productivity. Fortunately, there are safer ways to clean up jobsites, soil, and marine environments than relying heavily on chemical dispersants. BIOSURF™ relies on a natural plant-derived biosurfactant as its main active ingredient and has a high dispersing power. It is great for use in conjunction with BCP35M™ (water environments) and BCP35S™ (soil environments), which contain environmentally benign bacteria suited to degrading petroleum and hydrocarbons. Learn more about some of our oil and gas cleanup solutions in this news alert released in March: [https://www.cortecvci.com/whats\\_new/announcements/Bionetix-Oil-Spill-Clean-Up-NA.pdf](https://www.cortecvci.com/whats_new/announcements/Bionetix-Oil-Spill-Clean-Up-NA.pdf).





## Use Downtime to Clean Drains and Grease Traps

The restaurant industry was especially hard-hit this year from COVID-19 shutdowns. While it has been sad to see the huge challenges they have faced, we have also tried to look on the bright side for steps that dining establishments could take to prepare for a strong post-pandemic shutdown comeback. The thought occurred that seasons of idleness or lower activity would be excellent opportunities to tackle clogged drain or grease trap odor problems with biologicals such as ECO-TRAP™ and ECO-DRAIN™.

It is already recommended that products like these be applied at the end of the day, when operations shut down and there is not a lot of water or waste flow. This allows the microorganisms in the products to have more time to establish themselves, grow, and multiply, so they can start digesting the waste contaminants. These are not only great ways for restaurants to get a fresh post-pandemic start but also to have a good maintenance solution going forward! Read more:

<https://www.cortecvci.com/help-restaurants-prepare-for-cleaner-post-pandemic-pipes-and-grease-traps/>



## Process Cooling Magazine Publishes Informative Bionetix® Article

In April, Process Cooling magazine published a Bionetix® article entitled, “Dealing with Sewage Contaminant Overload in the Food Industry.” The article dives into the basic mechanisms of biodegradation and bioaugmentation, showing how microorganisms can be used to digest heavy loads of organic wastes such as fats, oils, and greases (FOG) in food processing industries.

The piece contains several examples of how bioaugmentation—the addition of ex situ “good” bacteria—puts nature to work “doing what it loves to do” so that starch plants, industrial bakeries, meat packing operations, and dairy plants can rein in out-of-control contaminant discharge levels to meet local regulations and avoid bad odors and/or fines.

The article is a great read for anyone who wants to learn more about applied bioaugmentation in the real world! Find it here: <https://www.process-cooling.com/articles/89993-dealing-with-sewage-contaminant-overload-in-the-food-industry>



## A Chat with Our Sales Reps on Favorite Products

From time to time, it is fun to check in with our Bionetix® sales reps to see what their favorite products are. Here is a look at some of the biological technologies that capture their interest!

Oscar Caceres has been with Bionetix® since 2016 and currently holds the position of Latin America Sales Representative. Just a few months ago, he shared, “My favorite product is PORTA-TREAT™. I find that this product is an excellent solution for portable toilets and the multiple applications make it very versatile.” He went on to point out how PORTA-TREAT™ can be used at construction sites and anywhere there is a mass concentration of people. It offers a biological solution to bad odors and organic waste, and its sphere of use extends to buses and airplanes with onboard restroom facilities. Contact Oscar for more information at [ocaceres@bionetix.ca](mailto:ocaceres@bionetix.ca)!

Tonya Decterov is our Technical Sales Representative, who also joined Bionetix® in 2016. When asked about her favorite product, she said she would like to emphasize STIMULUS™. She sees it as a great “biostimulant” that is often overlooked. It contains nutrients such as nitrogen, phosphorus, sulfur, and microelements needed for bacterial growth. It also provides a source of readily available carbon—important for natural biodegradation processes—and plant-derived surfactants. This product has multiple purposes—from helping accelerate bioreactor startups, to remedying plant upsets and promoting healthy agriculture. Contact Tonya for more information at [tdecterov@bionetix.ca](mailto:tdecterov@bionetix.ca)!

## Save the Date for Aquaculture Solutions in Brazil!

Oscar Caceres is looking forward to attending the 2020 Brasil Aquishow with regional Bionetix® distributor Edison Preima. Due to COVID-19, the show has already been rescheduled several times and is currently set to take place October 27<sup>th</sup>-29<sup>th</sup> in São José do Rio Preto, São Paulo, which is one of the most important aquaculture centers in Brazil. If all goes well, Oscar and Edison will be presenting their case study on the benefits of Bionetix® aquaculture treatments for locally raised Pintado fish. Plan to visit the conference yourself, or contact Oscar directly at any time if you have an interest in aquaculture: [ocaceres@bionetix.ca](mailto:ocaceres@bionetix.ca)!



Learn more about the convention by visiting: <https://aquishowbrasil.com.br/>.



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