Validate the robust performance and simple operation of **BioCord™ Reactors** at your facility with a compact, containerized BioCord Reactor pilot system.

**BioCord Reactors** are fully customizable and can be tailored to meet the performance requirements and space constraints at any treatment plant.

**Easy-to-install containerized systems**

A compact pilot system can be brought to site fully assembled in a standard shipping container, ranging in size from 20 to 40 feet in length. The system has only three connections to supply incoming wastewater, discharge treated effluent and supply power. In most cases, the system can be installed and commissioned in just a few hours. If required, the components can also be shipped loose for installation within a building or on a prepared pad adjacent to the treatment works.

In each case, the **BioCord Reactor** pilot system works as a closed-loop, sidestream process—drawing wastewater from the treatment cell and discharging treated effluent back to the plant headworks.

Microbial growth begins as soon as wastewater is added to the treatment tanks and the system typically achieves nutrient reduction targets within two to four weeks of commissioning.

BioCord Reactors are ideal for increasing treatment capacity and improving nutrient removal in multiple applications:

- Municipal wastewater lagoons;
- High-strength wastewater treatment to reduce ammonia, phosphorus and suspended solids;
- Food processing;
- Agriculture;
- Mining.

An optimized BioCord Reactor system is capable of achieving significant reductions in target nutrients and other constituents, including:

- Ammonia: 90% or greater;
- Total nitrogen: 50% or greater;
- BOD: 80% or greater.
The Bishop Water team will provide comprehensive installation and commissioning services and will conduct regular sampling, monitoring and maintenance of the system. Within two to four months, the system can provide sufficient operational data to demonstrate its capabilities for cold-weather biological ammonia reduction.

Data from the pilot study can also be used to design a full-scale BioCord Reactor system for the site and quantify the operational and economic advantages over alternative processes.

Contact us to discuss the advantages of a BioCord Reactor system for your treatment plant and to arrange for a pilot test.

A typical BioCord Reactor pilot system

BioCord pilot systems are fully customizable to meet flow and nutrient-removal needs for any site. The system arrives onsite fully assembled, requires only three connections and can often be commissioned in just a few hours.