

## Case History 28—Municipal Ammonia Removal

### **Honeybrook, PA, meets wintertime ammonia removal targets with 80 BioBloc units**



The Northwestern Chester County Municipal Authority operates the Honeybrook Wastewater Treatment Plant. With a flow ranging from 400,000 to 800,000 gallons per day, the Authority needed a way to remove ammonia during the coldest part of the year when nitrification becomes sluggish—at best. Running trials and tests on the FBC units and other systems for over two years, the Authority determined that the FBC BioBloc was the most cost-effective system to remove ammonia down to 1-C°. In September 2006, the Authority awarded FBC Technologies a contract for the installation of 80 BioBloc units.

The installation is scheduled for completion before the end of 2006, giving the plant needed nitrification capacity for the winter months ahead.



*Modular Bio<sup>2</sup>Bloc system for wintertime nitrification of ammonia. Units are fed with warm air through the coldest parts of the winter, providing enough heat for nitrifying organisms to work at temperatures down to 1-C°.*