



## ORONO PUBLIC SCHOOLS IMPROVES SUSTAINABILITY WITH ORBIO® 5000-SC

Located in the west metro area of Minneapolis, Minn., the Orono School District serves approximately 2,700 K-12 students. Although the district covers 47 square miles, its four schools are clustered on a 120-acre campus. Employees strive to be good stewards of the district's resources and look to enhance sustainability wherever possible.

The district has improved efficiencies by consolidating bus routes, using less paper, and a recent renovation project included energy efficient lighting and heating upgrades to reduce energy costs. It also participates in Schools for Energy Efficiency, with the goal of reducing annual energy usage by 10 percent.

In addition, the district embraced Orbio® Split Stream technology, available on the Orbio 5000-Sc to reduce the use of conventional cleaning chemicals, including neutral and all-purpose, glass, stainless steel and floor cleaners. The 24 member cleaning crew really enjoys working with the Orbio Multi-Surface Cleaner created by the Orbio 5000-Sc.

"We have a unique setting with all of our buildings within one block, so it's easy to bring the solution wherever we need it," said Justin McCoy, Coordinator of Facilities and Safety, Orono School District. "We have four 46-gallon Orbio Solution Transport Carts that we fill up every night and take one to each school."

### INCREASED SAFETY

The Orbio 5000-Sc uses tap water, a small amount of salt and electricity to create an effective multi-surface cleaning solution on-site. This solution can be used in floor scrubbing machines, automated carpet cleaning equipment, spray-and-wipe cleaning, touchless cleaners and more.



*"Our carpets used to be crunchy with conventional carpet chemical residue. Now we use Tennant's ReadySpace® Rapid-drying Carpet Cleaning Technology with Orbio® solution. The crunch isn't there and the recovered solution is just as dirty as before."*

— Justin McCoy, Coordinator of Facilities and Safety, Orono Public Schools



The Orbio Multi-Surface Cleaner works so well that the district has stopped buying traditional glass cleaner and greatly reduced its all-purpose cleaner purchases. McCoy's crews clean 560,000 square feet of space, and use the solution for spray-and-wipe cleaning on mirrors, walls and fixtures, and in floor scrubbing machines. They still use bowl cleaner and disinfectant in bathrooms.

Floor surfaces include carpet, terrazzo and vinyl composite tile (VCT). Common soils include dirt, and sand with salt in winter. Some hallway carpet is being replaced with stained, polished concrete that saves time cleaning, and McCoy's crews clean the halls daily using a floor scrubbing machine and Orbio Multi-Surface Cleaner, which has effectively removed accumulated conventional floor cleaner residue from the floors.

"The increased safety for our staff is a big plus—no more mixing conventional chemicals. Removing those chemicals makes the whole school safer with less potential for accidents with students," said McCoy. "Getting rid of them is a big plus. It's great to know that Orbio Multi-Surface Cleaner is certified by the National Floor Safety Institute (NSFI) to reduce the potential for slip-and-fall accidents."

## CLEANER BUILDINGS

Keeping his buildings clean and safe is very important, and McCoy initially was skeptical he could clean using electrolyzed water. But after a 90 day on-site evaluation period, he's convinced Orbio Multi-Surface Cleaner works great.

"When we started using the Orbio 5000-Sc solution, we didn't allow any conventional chemical use to give it an honest evaluation and see if it would maintain the level of cleanliness we expect," added McCoy. "The more you use it, the more you'll like it."

"The biggest benefits of the solution are clean surfaces without chemical residue, it's safer for staff to use, more convenient than waiting for a chemical shipment and there's less packaging waste," said McCoy. "Tennant's ReadySpace technology and Orbio Multi-Surface Cleaner do a great job cleaning our carpets."

His custodians and kitchen staff also have seen progress as the grout lines in the ceramic tile in the kitchen and pool area have lightened in color from dark gray as the Orbio 5000-Sc solution has cleaned out the old conventional cleaning chemical residue that attracted dirt.



## ORBIO SPLIT STREAM TECHNOLOGY



Through the process of electrolysis, the Orbio 5000-Sc creates a multi-purpose cleaning solution on site using tap water, salt, and electricity. The 5000-Sc solution effectively replaces many conventional daily-use cleaning chemicals.

**To learn more about the Orbio® 5000-Sc and other innovations in cleaning, contact Orbio today.**



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