



## DALCO AND ORBIO® SPLIT STREAM TECHNOLOGY HELP SUPERIOR SCHOOL DISTRICT ENHANCE SUSTAINABILITY

Covering approximately 549 square miles, the School District of Superior Wisconsin includes the City of Superior, plus four towns and two villages. The district has six elementary schools, a middle school and a high school serving nearly 5,000 students, plus five other buildings that are cleaned by custodial staff.

One of the school district's goals is to develop and maintain a healthy environment for the people they serve. This includes reducing the number of conventional cleaning chemicals – and odors – in its classrooms.

Dalco Enterprises, a long-time Tennant distributor, was eager to show Superior Schools how they could improve sustainability in their operations by using Orbio® Split Stream technology. Available in the Orbio 5000-Sc, the technology generates a multi-surface cleaning solution on-site that replaces many daily-use conventional cleaning chemicals.

### REMOVING DINGY FILM

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.

"Orbio solution works as well as or better than what we used before," said Patti Grosnick, Custodial Supervisor, School District of Superior. "I was convinced because it's not harsh for the environment and it doesn't affect indoor air quality. It's also removing the dingy film from the nine-year-old middle school floors."

The school district's 43-member crew cleans 1 million square feet of space. Previously they cleaned glass, stainless steel, hard floors and carpets using various packaged cleaners.

*"I'm 100 percent sold on using Orbio® 5000-Sc solution for carpets. It cleaned up the residue from the traditional chemicals we used. Previously we cleaned the carpets every three months, but we haven't cleaned them in almost five months and they still look good."*

– Patti Grosnick, Custodial Supervisor, School District of Superior, Wisconsin



Now they use Orbio 5000-Sc multi-surface cleaning solution in carpet extractors and auto scrubbers to clean the floors, and in spray bottles to clean windows, mirrors and stainless steel surfaces.

## ALL ABOUT SUSTAINABILITY

Soils cleaned include the “daily dirt,” as well as specific soils like kitchen greases, spaghetti water, and dried salt. Custodians still use toilet bowl cleaners and disinfectants to clean bathrooms, tables and desks, but the district hasn’t ordered any daily-use conventional cleaning chemicals since they started using the 5000-Sc cleaning solution.

Tennant and Dalco have had a close relationship for more than 25 years, and Dalco has played a key role in evaluating and implementing several of Tennant’s innovative technologies.

“Superior Schools are all about sustainability and going green by taking conventional cleaning chemicals out of the classroom,” said Dalco Sales Manager Sean Bakken. “Dalco has a long-term relationship with the district, and they appreciate the new Orbio technologies offered through Dalco.”

## HEALTHY CLASSROOM ENVIRONMENT

The district has one Orbio 5000-Sc machine, and twice a week staff members use two 55-gallon solution containers to distribute the cleaning solution within the sprawling district. Based on its success to date, district officials are considering adding another 5000-Sc to further utilize the cleaning solution.

Members of the cleaning crew love using Orbio 5000-Sc solution. Not using conventional cleaning chemicals means the solution and recovery tanks rinse cleaner. Crews also save time because there are no chemicals to mix.

“A safe, healthy classroom environment is very important. We wanted a better way to clean without conventional chemicals and the Orbio 5000-Sc solution really meets that need,” said Grosnick. “We regularly test indoor air quality and because the Orbio solution contains no VOCs, we don’t worry about it contributing to air quality issues. One of our custodians who developed a sensitivity to conventional cleaning chemical odors now uses the Orbio solution all the time without any issues.”



## 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.**



Orbio Technologies  
701 North Lilac Drive  
Minneapolis, MN  
55422 USA

[orbio@tennantco.com](mailto:orbio@tennantco.com)

+1 800 553 8033

+1 763 540 1315

[orbio.com](http://orbio.com)