

ICI Special Process Rebate



Process Water Reuse System

SpanSION Inc., a leading provider of flash memory for computers, received a \$100,000 rebate from Austin Water for the installation of treatment equipment and distribution piping for the reuse of manufacture rinse water in cooling towers and equipment. The project treats more than 400,000 gallons per day of fabrication wastewater, saving over 100 million gallons a year. The project also saves over \$1.4 million a year in water and wastewater charges with a return on investment of less than one year.



The rinse water is treated using an integrated ultrafiltration and reverse osmosis membrane system that allows SpanSION to consume less water, Austin city officials not only value the direct environmental benefits of the project, but also see positive impacts on environmental conditions and greenhouse gases. Since less water is being used as a result of the project, only a small amount of electricity is used to produce clean water which, in turn, reduces the pollution due to ground level ozone and other gaseous pollutants.

In recognition of the project, SpanSION won the 2011 City of Austin, Texas Environmental Awareness Award for water conservation and greenhouse gas reduction.

SpanSION also collects rainwater from the facility's roofs and groundwater from the building perimeter to use for landscape irrigation, saving about 4.45 million gallons per year. The system has about a three-year return on investment.

SpanSION is currently studying the feasibility of using treated wastewater from Austin Water's reclaimed water distribution system to provide up to 300,000 GPD for SpanSION cooling tower makeup.

For more information please visit our web site, www.WaterWiseAustin.org

SpanSION, Inc.

- Peak daily savings of 400,000 gallons
- Annual water and wastewater cost savings of \$1.4 Million
- Investment \$930,000
- Payback period of less than one year
- Total rebate amount \$100,000

"Part of being a responsible corporate citizen is respecting the environment. Our multi-year water conservation project reduced our water usage by 60% and saves the equivalent of 7,150 soda cans full of water per minute."

- Randy Blair, VP, SpanSION's Wafer Fab 25 Operations

Best Management Practice:

Treating and reusing rinse water from the manufacture of computer flash memory components using an integrated ultrafiltration and reverse osmosis membrane system.

Case Study



Austin
WATER
Clearly Reliable