

## ELGIN SEPARATION SOLUTIONS CASE STUDY

### San Marcos Drum Intake & AirBurst System

<b>Industry</b>	Municipal Water
<b>Problem</b>	The system was a suite of drum screens which were directly connected to a series of pumps. This created a control system integration challenge to coordinate the pump and the airburst screen cleaning system. Additionally, the screens had to be retrofit to an existing site where there was limited physical space for the screens.
<b>Solution</b>	Elgin Separation Solutions developed a custom AirBurst system with adjustable operating cycles to coordinate with the operating strategy of the plant. The site conditions required the use of a custom screen geometry. This was accomplished by use of a purpose built flow modifier to maintain velocity balance across the screen.
<b>Result</b>	The screens have been in successful operation for five years. Because of the flow balanced screens the operators have been able to lower the operating cycle of the airburst as the screens are not clogging.



Elgin Separation Solutions builds water solutions through innovation