



Case Study

Assembly Plant Converts from Melamine Formaldehyde to Galaxy All-Organic GCC 831

Situation

- A supplier and chemistry change was desired when a new Chemical Manager came in and took over this location
- The Chemical Manager was looking for a more current technology that was also more environmentally friendly

Background

- Production was going to increase from roughly 240,000 to 300,000+ units/year
- No major issues at the plant but the new Chemical Manager knew that there would be benefits to newer chemistries that were more “green”

Solution

- Better performance by changing over old melamine formaldehyde chemistry to all-organic GCC 831 using their performance criteria

Results

- Numerous process improvements were realized by the customer:
 - Water quality to booth improved.
 - 23 ppm to 7 ppm suspended solids **66% Improvement**
 - Collection Efficiency Improved
 - 2.1 dry lb. per unit to 3.2 dry lb. per unit **52% Improvement**
 - % Solids Achieved in Sludge Bins
 - 39% baseline melamine
 - 47% with GCC 831 **20% Improvement**
 - Pit Cleanouts
 - Annually with melamine
 - Currently more than 2 years **100+% Improvement**