## NBE's **REAL** RESULTS



## Bulk Bag Discharger with Liquid Slurry Delivery System

## **Application Details:**

NBE CSO #: E702070002 Material(s): Trisodium Citrate, Sodium Chloride, and Sodium-Lauryl-Sulfate (SLS) Bulk Densities: 54-60, 75-78, and 34-40 #/ft<sup>3</sup> Specific Gravities (once aqueous): 1.76, 2.17, and 1.05 g/cc Particle Sizes: 100 mesh, 60 mesh, and 1/16" diameter needles Flowability varies with specific product Area Classification: General Purpose (non-hazardous) Process Rate: Develop, blend, and dissolve one batch every 4-hours

## **Application Overview:**

The customer will make-up a complete batch of concentrated soap solution starting with heated DI water and adding the three (3) solids, by weight, sequentially. The recipe data will automatically compensate for the 'heel' of dry solids which remain in the transfer conveyor between ingredients. The solids are added using the integral flash-blend addition tank and circulated through the in-line high sheer blender and transfer pump specifically designed to integrate with the customers' existing large process tank. The solution will continuous to circulate through the blending system until all solids have been added and fully dissolved. Once the batch (approx. 30,000 gallons) has been completed, the concentrated soap solution is blended with other ingredients in preparation for consumer packaging.





