SOLUTION
• Low dosage rate, fast cure time

RESULTS
• Cost savings in overall project from start of bio-solid lagoon to final landfill destination producing solids that pass paint filter test.
Solidification: Cost Reduction

**CHALLENGE**
Solidification project was over budget and behind schedule. Calciment was being used at 46% addition rate and needed to set for a full day due to exothermic reaction. Of the 630,000 pounds going to landfill daily, only 430,000 pounds were of bio-solids from the lagoon. Often, on-site 24-hour cure time resulted in solidified bio-solids getting rained on and needing to be re-solidified. High dusting from the Calciment necessitated daily washing of nearby equipment.

**CETCO SOLUTION**
After evaluating the characteristics of the project, CETCO opted to apply its proprietary LiquiSorb® product, believing that this would allow for much lower addition rates, faster cure time, lower dusting, and no exothermic reaction.

**RESULTS**
The application of LiquiSorb® allowed the customer to finish the project under final budget and on schedule. The addition rate was able to be lowered from 46% to 0.7%. Lower dusting eliminated the need to wash equipment every day. Cure time fell from 24 hours to 2 hours, with no exothermic reaction. CETCO’s treatment allowed the same 45 truckloads going to landfill per day to increase removal of actual bio-solids from 430,000 pounds to 620,000 pounds.