

LIQUISORB® absorbing agent reduces costs of solidification project

When a solidification project was over budget and behind schedule, LIQUISORB absorbing agent was applied. Not only did the project get back on schedule, but significant cost savings were realized.



PROJECT DETAILS

Biosolid lagoon

LOCATION

North America

PRODUCTS USED

LIQUISORB® absorbing agent

CHALLENGE:

A 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 the landfill daily, only 430,000 pounds were of biosolids from the lagoon. Often, on-site 24-hour cure time resulted in solidified biosolids 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 absorbing agent, LIQUISORB absorbing agent allowed for much lower addition rates, faster cure time, lower dusting, and no exothermic reaction.

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RESULTS:

The application of LIQUISORB absorbing agent allowed the customer to finish the project under budget and on schedule. The addition rate was lowered from 46% to 0.7%. Lower dusting eliminated the need to wash equipment daily. Cure time fell from 24 hours to 2 hours, with no exothermic reaction. CETCO's treatment allowed the same 45 truckloads going to a landfill each day to increase their removal of actual biosolids from 430,000 pounds to 620,000 pounds.

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UPDATED: DECEMBER 2019

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