Vacuum Consolidation Dewatering (VCD)

Smarter, Faster, Cheaper Closures
Vacuum Consolidation Dewatering (VCD)

Vacuum Consolidation Dewatering, or VCD, is a patented technology that reduces the complexity, cost, and time associated with dewatering soft sediments such as sludge, FGD byproducts and coal combustion residuals (CCR) or coal ash. Targeted, specialty dewatering does not have to be expensive or complicated. AECOM Process Technologies has developed a novel coal ash impoundment dewatering technology with CCR pond closures in mind.

Differentiate in Dewatering and Handling

The key to successful, low cost, pond closures is reducing the cost of ash dewatering and handling. Current practices are vague, variable, expensive and risky. VCD utilizes vacuum technology tied to horizontal drains installed at a fixed depth underneath the sediment to dewater and consolidate the material in place to a moisture content and stability suitable for capping or excavation.

**KEY BENEFITS**

- Lower Cost
- Cleaner Effluents
- Additive Mitigation
- Shorter Schedules
- Single Handling
- Volume Reduction
- Lower risk
- Strong, Stable Surface Material
- Leachate Mitigation
About AECOM

AECOM is built to deliver a better world. We design, build, finance and operate infrastructure assets for governments, businesses and organizations in more than 150 countries. As a fully integrated firm, we connect knowledge and experience across our global network of experts to help clients solve their most complex challenges. From high-performance buildings and infrastructure, to resilient communities and environments, to stable and secure nations, our work is transformative, differentiated and vital. A Fortune 500 firm, AECOM had revenue of approximately $17.4 billion during fiscal year 2016. See how we deliver what others can only imagine at aecom.com and @ AECOM.

Contact
Steven Kosler
Technology Manager
T +1.512.419.6026
E steven.kosler@aecom.com