

Wacker Integrated Polysilicon Production Site

Charleston, Tennessee



Owner: Wacker Chemie AG

Designer: Jacobs Engineering Group

General Contractor: Yates Constructors

Foundation Contractor: Berkel and Company Contractors

Years of Project: 2011-2013

Total Project Cost: \$2 Billion

Client Reference: Greg Righter
(Berkel—913-422-5125)



Project Highlights:

Dan Brown and Associates (DBA) acted as Berkel's foundation design consultant for the new Wacker Integrated Polysilicon Production Facility in Charleston, Tennessee. The project was originally to be supported on driven steel H-piles and micropiles. However, DBA helped to promote a cost-effective and technically feasible alternative using augered pressure grouted piles (also known as continuous flight auger piles and augered cast-in-place piles) for support of the production facility buildings. The site is located in a limestone geology which can be susceptible to formation of sinkholes and caves. DBA's karst experience was vital to the successful design and construction of this foundation system.

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