

Power Utility Applications – Lime Storage

In North America, Tank Connection builds the largest field-welded storage tanks available in the industry today for lime storage applications. Tank Connection and our affiliate company ATEC Steel offer field construction meeting the requirements of API 650, API 620, ASME and other International codes and requirements.

Tank Connection's precision RTP (rolled, tapered panel) construction is the #1 bolted tank design selected worldwide. Tank Connection also offers shop-weld tank construction and SIT (system installed tanks) for lime storage systems.

The Tank Connection Affiliate Group of companies are recognized as experts in lime storage applications. Typical applications include pebble lime, powdered lime, quicklime, limestone and hydrated lime storage. Based on the type of lime stored, Tank Connection offers our clients continuous, non-problematic product flow from the storage tank into your process system.....and we back it with a performance guarantee.

Project Specifications

Clients:

Leading Power Utility Companies

Application:

Lime storage for FGD process

Storage Type:

API 620 Field Welded Construction

Tank Sizes & Capacities:

- 50' diameter x 170' height
- Internal 60 hopper design
- Capacity: Over 8400 Tons/each

Location: Southeast U.S.



TCAG engineering services are unmatched in bulk mineral storage applications. Equipment layouts are easily integrated into an existing or new mechanical or pneumatic process system. Project schedules are coordinated by our professional project management team. TC field construction services finalize the package for a complete turnkey storage system that is installed on time and on budget.

In lime storage applications, TCAG offers funnel flow, mass flow and expanded flow designs. We routinely fluidize powdered lime and provide functional mass flow discharge utilizing either passive flow aid devices (i.e., chisel bottom hopper design) or active flow aid devices (i.e., bin activator, etc.). Stainless steel liners are utilized in select limestone applications for both material flow and abrasion requirements.

Tank Connection was selected for the project based on power utility/client preference for the high quality storage tank fabrication and field construction. Based on storage capacity requirements exceeding bolted RTP capacities, field-weld construction was selected. Governing code applicable for the project was API 620. (As a reference, the lower tank shell thickness exceeded 1 ¼" plate for this application.)

Other "power utility" client locations utilize Tank Connection's RTP (rolled, tapered panel) bolted tank design, which features exact manufacturing tolerances and the top rated EXT Fusion 5000 FBE™ coating system available in the industry today. Tank Connection also provides complete turnkey field installation service, utilizing a synchronized, hydraulic screw jack process, which allows field crews to install large bulk storage tanks at grade level. TC field construction processes are rated as the best in the storage tank industry.

Tank Connection is recognized as a global leader in dry bulk storage applications. TCAG is the only tank supplier worldwide that designs, manufactures and installs all four types of steel storage tanks including bolted RTP, field-weld, shop-weld and hybrid tank designs for bulk storage.

In the POWER INDUSTRY, Tank Connection is recognized as the premier storage tank manufacturer and installer in North America. On your next project, "*GET CONNECTED*" with the industry leader and unmatched performance of the Tank Connection Affiliate Group!

For more information about TCAG, visit our website at www.tankconnection.com.