Collaboration Delivers Safe Alternative to Air Cannons

After a bunker explosion, a coal fired power plant contacted NAVCO for a safe material flow solution that would address the uneven material flow through the heavy walled coal bunkers. The customer decided to discontinue use of air cannons to avoid the possibility of introducing air to the combustible environment inside the bunkers.

NAVCO engineers used original manufacturing and installation drawings of the heavy walled storage bunkers to evaluate the hopper geometry and critical areas of influence. The NAVCO team also developed layout recommendations including vibrator size, type and mounting.

The NAVCO team provided a safe and efficient solution to maintain coal flow through the bunkers and to provide clean out of the bunkers for burn down.

Coal Bunker Impactors

NAVCO’s big BHs are high amplitude, low frequency pneumatic piston vibrators that are ideal for use on large bunkers and chutes (pipe/chute mounting system available).

These units are designed for heavy duty, harsh condition service on large capacity, thick plated storage bunkers and chutes. NAVCO’s big BH vibrators generate linear vibration over a large area that reduces material sliding friction which promotes fast and complete movement of even the most stubborn materials. Big BH vibrators eliminate the need for manual clean out of bunkers - increasing worker safety, and eliminating costly shut downs.

- Eliminates need for sledgehammering – keeping your bin walls from being physically compromised
- Easy installation does not require penetration of bunker walls – low installation costs
- Eliminates the need for manual clean out – reduced labor costs
- Long operating life – designed for use in harsh conditions
- Made in the USA

Additional questions or need help selecting vibrators for your application? Contact us at (800) 231-0164.