

CASE HISTORY

One of the largest corn and soybean handling terminals in the United States is located in Convent, Louisiana. Owned by Zen-Noh Grain Corporation, this terminal handles many, many tons of grain annually. They have several extremely large dust collection systems discharging up to 55 tons per hour of grain dust.

Originally, the rotary valves which introduced the dust into a dilute phase conveying system were being replaced every 10-12 months due to the wear of the high silica content grain dust. Since there are some 9-10 valves in the system and replacement valves were costing some \$7,000 each to replace, this is a very expensive maintenance item.



In July 2005, Zen-Noh Grain Corporation installed a DMN model AL300/3C hard chrome plated valve in the worst case location in the system. All these locations are open to the elements of nature, and after surviving both hurricane Katrina and Rita, this valve has run continuously without any downtime for repairs or replacement. Even the standard paint, as seen above, has weathered very well and shows no signs of deterioration, even after the hurricanes. The price of the DMN valves was \$5,800.



Zen-Noh Grain Corporation has expressed great satisfaction with the DMN valve and have ordered another unit to place in its dust collection system. They have indicated a desire to eventually replace most of their existing valves with the DMN chrome plated rotary valve.

DMN is a worldwide manufacturer and supplier of high quality rotary valves, diverter valves and other components for the bulk solids handling industry.

For more information please visit our website: www.dmn-inc.com

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