

S&T Stakeholders Conference

KCI Ammonium Nitrate and CARRI

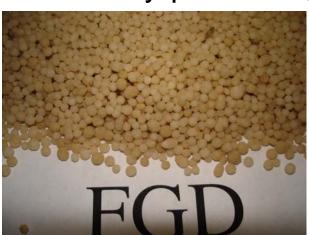
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Ammonium Nitrate Project

- Objective
 - To determine if the explosion potential of ammonium nitrate (AN) fertilizer can be eliminated by coating the AN with coal combustion by-products (CCBs)









Ammonium Nitrate Project

- Task 1
 - Identification of suitable coating technique
 - Production of coated charges for detonation tests.
- Task 2
 - Detonation of 10-lb charges
 - Charges containing 0, 10, 15, 20, 30, 40, 50, and 100% of each CCB were tested



- Manufacture of coated particles appears to be relatively simple and inexpensive
- Assuming minimal impact on agricultural use, the technology appears to offer a practical and cost-effective means to eliminate the threat posed by ammonium nitrate fertilizer



Community and Regional Resilience Initiative (CARRI)

Mission: To develop the processes and tools which help communities and regions achieve their highest measurable levels of resilience to disruptions resulting from natural and man-made disasters.

Resilience: A community's or region's ability to effectively prepare for, respond to, and successfully recover from a man-made or natural disaster, by having the ability to quickly return citizens to work, reopen schools and businesses, and restore the essential services needed for a full and swift economic and social recovery.



Potential Starting Places

- Manageable mini-regions
- Economically connected
- Critical to the region
- Vital to the Nation

- Encouraging Cooperation
- Building Public/Private Partners
- Rationalizing Plans and Policies
- Facilitating Communications
- Establishing Trust







"Normally it is left up to us first responders to put Humpty Dumpty back together again. We can only do so much; it has to be a community effort, both government and the private sector.

We didn't build our cities by government alone, and when something BIG happens, government will never be able to do it alone."

Fire Chief Pat Sullivan Gulfport, MS



Source: Josh Norman, Episcopal Relief and Development, www.er-d.or



Source: www.mississippicasinos.com





Homeland Security