

# CHEMICAL AGENT HYDROLYSATE AND ENERGETICS HYDROLYSATE *Options*

## HYDROLYSATE OFF-SITE TREATMENT OPTIONS

- ***Biotreatment*** – The treatment of a waste or hazardous substance using microorganisms such as bacteria in a controlled environment
- ***Deep Well Injection*** – A process by which waste fluids are injected deep below the surface of the earth so they will not interact with groundwater
- ***Incineration*** – A treatment technology involving controlled burning at high temperatures, with treatment of the effluent gases prior to release to the environment

## HYDROLYSATE OFF-SITE TRANSPORTATION OPTIONS

- Rail
- Truck

Both methods would use dedicated containers approved by the Department of Transportation. Rail is likely the more economical option.



Program Manager Assembled  
Chemical Weapons Alternatives

*A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION*



Blue Grass Chemical Agent-  
Destruction Pilot Plant