



Case Study 21

Wood River Case Study	
Name and Location	<p>Site Name: Wood River Refinery PRS Wood River Chemicals CDF Wood River Terminal</p> <p>Site Location: Wood River, Illinois</p>
Ecological Enhancement	<p>Brown spaces were converted to to native prairie grass and flower areas. Several trees were planted and the area will be used by the community.</p>
Site Description	<p>Wood River is a former refinery that was operated from 19?? To 19??. Currently, the majority of the site is not being used. A small portion of the site remains an operating terminal.</p> <p>The area is suburban residential. Community members are very active and would like to see a site re-use plan implemented.</p> <p>The refinery PRS site is 52 acres, the chemical CDF site is 27 acres and the terminal site is less than 1 acre.</p>
Site Reuse Description	<p>Deep rooted prairie grasses and flowers have been planted at the refinery site in 2001 for weed control/aesthetics.</p> <p>At the Chemicals CDF site, Willows, Cottonwoods, Black Alder, River Birch , Bald Cypress, Crown Vetch, Bluestem Grasses, Perennial Rye, and Birdsfoot Trefoil were planted in 1998-99 as a vegetative cover to control landfill leachate.</p> <p>At the terminal, deep-rooted prairie grasses and flowers were planted in 2002 for hydraulic control and soil remediation.</p> <p>The ecological enhancements were chosen to facilitate property re-use by the Wood River community. The community is heavily involved in the end use decision making process.</p>
Stakeholder Involvement	<p>Stakeholders include BP, IEPA, Wood River.</p> <p>The community wishes to see a light industrial or recreational re-use at this site.</p> <p>This project was fully funded by BP.</p>
Site Assessment Approach and	<p>The refinery soils are impacted with TPH and PAHs down to 10 ft. The chemicals site source of contamination is landfill leachate between 2 and 20 ft below ground surface.</p> <p>The terminal site has impacted soils and groundwater containing BTEX</p>



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Cleanup	and MtBE up to 3 ft below ground surface.
Reuse	
Obstacles	
Costs and Funding	The project was fully funded by BP.
Economic and Other Incentives	
Time	
Other	
Contact Information	Dr. David T. Tsao, (630) 420-4321.