

## We Energies Pleasant Prairie Field Pilot

The first field pilot constructed to test this emerging technology

The Chilled Ammonia CO<sub>2</sub> capture pilot at the We Energies power plant in Pleasant Prairie, Wisconsin, USA went into operation in June 2008. The pilot, designed to capture 15 000 metric tonnes of CO<sub>2</sub> per year, has already logged more than 4 000 hours of operation, and is currently in 24 x 7 operations. It is on target to achieve all objectives, including 90% capture of CO<sub>2</sub> in continuous operation at full load.

Alstom designed and built the plant and is responsible for the construction, operation and maintenance of the carbon capture facility. The key objective of this project is to demonstrate full system operation on actual flue gas and prove the design concept feasibility, in support of larger scale demonstrations.

<b>Pleasant Prairie Field Pilot at a glance</b>	
<i>Location</i>	Pleasant Prairie, Wisconsin, USA
<i>Customer</i>	We Energies
<i>Process</i>	Pulverised Coal (PC) boiler combusting low sulphur, sub-bituminous coal
<i>Capture Technology</i>	Chilled Ammonia Post-Combustion
<i>CO<sub>2</sub> Capture Capacity</i>	15,000 metric tonnes per year
<i>Commissioning</i>	June 2008

### Images



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CO2 Field Pilot at Pleasant Prairie  
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