



## Post-Combustion Capture – Amine / Clean Coal

**Project Leader:**  
**SaskPower**

**Project Title:**  
**SaskPower's Boundary  
Dam Project**

**CO<sub>2</sub> Source:**  
**Coal-fired electricity  
power plant**

**CO<sub>2</sub> Storage Type:**  
**Enhanced Oil Recovery  
(EOR) and geological  
storage**

**Location:**  
**Estevan, Saskatchewan**

### Project Description

This fully integrated, commercial-scale project involves rebuilding an existing coal-fired power generating unit to produce 100 MW of net clean power and capture up to 1 Mt per year of CO<sub>2</sub> by 2015. CO<sub>2</sub> will initially be injected into the enhanced oil recovery project at the Weyburn-Midale oil fields and will later be injected for permanent sequestration. The Boundary Dam Project is a partnership among the Government of Canada, the Province of Saskatchewan, SaskPower and industry.

### Expected Outcomes

The Boundary Dam Project will be one of the world's first large-scale carbon capture and storage (CCS) demonstrations at a coal-fired electricity plant. This project will also demonstrate advanced post-combustion capture technologies and the full integration of a CCS system.

### Company Profile

A Crown corporation owned by the Province of Saskatchewan, SaskPower is the primary electricity supplier in Saskatchewan and serves 460,000 customers in the province. The company also operates three coal-fired power stations, seven hydroelectric stations, four natural gas stations and two wind facilities, with an aggregate generating capacity of 3,172 MW. The total available capacity is 3,641 MW.

### Project Web Site

[www.saskpower.com/cleancoal](http://www.saskpower.com/cleancoal)



*Aussi disponible en français sous le titre :*  
Captage postcombustion – Amine et charbon propre

© Her Majesty the Queen in Right of Canada, 2009  
Cat No. M134-8/2-2009E (Print)  
ISBN 978-1-100-13239-6  
Cat No. M134-8/2-2009E-PDF (On-line)  
ISBN 978-1-100-13240-2



Recycled paper