



**Carbon Capture & Storage Association**

Issue No. 06  
Week 3 February 2009

# CCSA Weekly Newsletter

Page 1	Page 2	Page 3	Page 4	Page 5	Page 6
Headlines	UK News European News International News	International News Reports	In Parliament CCSA News	Upcoming Events	Upcoming Events Contact Us

## Headlines

- ZAK and PKE to jointly build Polish CCS plant
- Siemens and E.ON to build CCS pilot project in Germany
- Doubts over Commission's CCS funding proposal
- German ministries approve draft CCS legislation
- Drilling begins in US DoE CO<sub>2</sub> injection project
- CCS included in US stimulus package
- Greenhouse gas storage bill passed in Queensland
- Wyoming CCS bills approved
- Proposed CCS legislation in Montana

## Our website

For more information about the Carbon Capture & Storage Association, our members, news highlights, events, links and much more please visit our website.

[www.ccsassociation.org](http://www.ccsassociation.org)

## UK News

- Thornton New Energy granted UCG licence
- Honeywell technology to be used at Hatfield
- £15m for Carbon Abatement Technologies
- Air Products wins Rushlight award
- Renew receives European funding

## European News

- ZAK and PKE to jointly build Polish CCS plant
- Siemens and E.ON to build CCS pilot plant in Germany
- Spanish interest in CCS
- Doubts over Commission's CCS funding proposal
- German ministries approve draft CCS legislation

## International News

- Drilling begins in US DoE CO<sub>2</sub> injection project
- CCS included in US stimulus package
- Greenhouse gas storage bill passed in Queensland
- Wyoming CCS bills approved
- Proposed CCS legislation in Montana
- US and Canada expected to announce CCS collaboration

## Reports

- Alberta oil sands report
- Report suggests CCS could be commercialised by 2016
- Study into Norwegian implementation of CCS
- IMechE report on adapting to climate change
- CCS could help to reduce electricity prices in Germany

## UK News

### Projects

#### Thornton New Energy granted UCG licence

17 February 09 - The Coal Authority has granted Thornton New Energy (a subsidiary of BCG Energy) the UK's first licence for underground coal gasification. Steve Walters, a director of the company said, "When combined with carbon capture and storage, underground coal gasification can provide a long-term sustainable, cheap, secure and environmentally benign energy supply which could last Scotland and the rest of the UK for up to 200 years." View the [full story](#).

#### Honeywell technology to be used at Hatfield

18 February 09 - CCSA member, Powerfuel has chosen Honeywell's UOP Selexol process technology to remove sulphur and CO<sub>2</sub> (97%) from syngas produced by the proposed 900MW IGCC plant at Hatfield. View the [press release](#).

### Announcements

#### £15m for Carbon Abatement Technologies

12 February 09 - The Technology Strategy Board, The Northern Way and the Department of Energy and Climate Change are to jointly invest £15 million in development and demonstration of new technologies that reduce CO<sub>2</sub> emissions from power stations and large process industries. View the [press release](#) and the [brochure](#) about the competition to receive the funding.

#### Air products wins Rushlight Award

12 February 09 - A team led by Air Products have won the Rushlight Carbon Capture and Storage Award 2008 for their work on removing impurities in CO<sub>2</sub> streams from coal-fired power plants. Other members of the team included Imperial College and Doosan Babcock. View the [full story](#).

#### Renew receives European funding

18 February 09 - CCSA member, Renew has received £698,000 in funding from the European Regional Development Fund. Renew supports around 100 companies in the North-East of England with CCS as a priority area. View the [full story](#).

## European News

### Projects

#### ZAK and PKE to jointly build Polish CCS plant

17 February 09 - Chemical company, ZAK has announced that it will collaborate with PKE (the Polish power generator) to build an IGCC CCS plant in Kędzierzyn-Kozle that could include co-firing with biomass. The plant is being billed as the world's first zero-emission power and chemical complex, as CO<sub>2</sub> could be stored or converted into synthesis fuels, fertilisers or plastics. The plant is expected to cost €1.3 to €1.5 billion to build and the companies hope that it will benefit from EU funding as part of the demonstration program. View the [full story](#).

#### Siemens and E.ON to build CCS pilot plant in Germany

19 February 09 - Siemens AG and E.ON Kraftwerke have announced that they are to jointly build a pilot post-combustion capture plant at E.ON's Staudinger power plant near Hanau in Germany. The pilot plant is expected to begin operating in the summer this year and will run until the end of 2010. The project is being sponsored by the German Federal Ministry of Economics as part of the COORTEC initiative. View the [press release](#).

### Policy

#### Spanish interest in CCS

13 February 09 - According to Point Carbon, Spain is planning to publish a draft regulatory framework for CCS activities later this year. The Spanish government has indicated that it wants at least one of the EU's CCS demonstration projects. Compostella, a joint CCS demonstration project with Portugal, was named as a candidate for potentially receiving funding under the European Commission's recent [proposal](#). View the [full story](#).

#### Doubts over Commission's CCS funding proposal

19 February 09 - The legal service of the Council of the European Union has rejected the Commission's proposal to reallocate €5 billion of unspent EU money to clean energy and broadband projects (as part of an economic recovery plan). The proposal included €1.25 billion for CCS demonstration projects. A spokesperson for the Commission said that they were aware of the Council's legal service opinion, but that they continue to believe that it is possible to use the money in the way that they had proposed. View the [full story](#).

## German Ministries approve draft CCS legislation

19 February 09 - Germany's Economy and Environment ministries have approved draft CCS legislation and it is hoped that this will now be passed by Parliament before elections are held in September. The legislation covers CO<sub>2</sub> transportation in pipelines, safety of underground storage and environmental protection. View the [full story](#).

## International News

### Projects

#### Drilling begins in US DoE CO<sub>2</sub> injection project

17 February 09 - The Midwest Geological Sequestration Consortium has begun drilling the injection well for their project that will capture CO<sub>2</sub> from the Archer Daniels Midland Ethanol Production Facility in Illinois and inject it into a deep saline formation (known as the Mt. Simon Sandstone formation). The test is part of the development phase of the US Department of Energy's Regional Carbon Sequestration Partnerships program. Injection is expected to begin in 2010, with up to a million tonnes of CO<sub>2</sub> to be injected over three years. View the [full story](#).

### Announcements

#### CCS included in agreed US stimulus package

17 February 09 - President Obama has signed the final version of the American Recovery and Reinvestment Act of 2009. The Act provides \$3.4 billion for the Fossil Energy Research and Development program, which is expected to include CCS demonstration projects. View the [legislation](#).

### Policy

#### Greenhouse gas storage bill passed in Queensland

13 February 09 - State Parliament in Queensland has passed a Greenhouse Gas Storage Bill. The new legislation aims to accelerate the development of greenhouse gas storage in Queensland. View the [full story](#).

#### Wyoming CCS bills approved

17 February 09 - The Wyoming Senate has approved three CCS bills relating to permits for CO<sub>2</sub> storage, CO<sub>2</sub> storage rights and liabilities. View the [full story](#).

#### Proposed CCS legislation in Montana

18 February 09 - New CCS legislation has been proposed in Montana. The bill would introduce a CCS program under the Board of Oil and Gas Conservation and the state would assume liability for storage sites 10 years after they have been filled. View the [full story](#).

#### US and Canada expected to announce CCS collaboration

19 February 09 - The US and Canada are expected to announce a clean technology deal to collaborate on CCS. In an interview before his visit to Ottawa, President Obama said, "I think to the extent that Canada and the United States can collaborate on ways that we can sequester carbon, capture greenhouse gases before they're emitted into the atmosphere, that's going to be good for everybody. Because if we don't, then we're going to have a ceiling at some point in terms of our ability to expand our economies and maintain the standard of living that's so important, particularly when you've got countries like China and India that are obviously interested in catching up." View the [transcript](#) of the interview and the [full story](#).

## Reports

#### Alberta oil sands report

12 February 09 - Alberta has released a report detailing plans for the development of the region's oil sands. The report, entitled '*Responsible Actions: A Plan for Alberta's Oil sands*', includes a recommendation for continued commitment to CCS projects in order to reduce emissions. View the [report](#).

#### Report suggests CCS could be commercialised by 2016

13 February 09 - A published by Emerging Energy Research suggests that CCS could be well positioned for commercialisation by 2016, providing that government funding is available and demonstration projects are successful. View the [full story](#).

#### Study into Norwegian implementation of CCS

13 February 09 - A study into CCS in Norway has released. It concludes that clear long-term policies will be needed in order to stimulate further development of CCS in the country. View the [full story](#).

## IMechE report on adapting to climate change

16 February 09 - The Institute of Mechanical Engineers has release a report entitled '*Climate Change: Adapting to the Inevitable?*' The report highlights the need to invest in CCS in order to demonstrate its feasibility and ensure its commercialisation by 2030. View the [report](#).

## CCS could help to reduce electricity prices in Germany

17 February 09 - A study conducted by Prognos AG (contracted by RWE AG) has concluded that deploying CCS in Germany would help to reduce electricity prices and increase economic growth. Using CCS would allow Germany to use cheaper domestic coal (with lower cost of emissions) and reduce imports of natural gas. Michael Schlesinger, director of Prognos AG, commented that as many as 11 coal-fired power stations with CCS could be operational in Germany by 2030. View the [full story](#).

## CCSA News

### Interview with Lord Oxburgh

The latest issue Carbon Capture Journal includes comments made by Lord Oxburgh, President of the CCSA, on a wide range of topics relating to CCS. The article, entitled '*CCS: Where are we today?*' details a presentation that he made at the 2nd Annual European Carbon Capture and Storage Summit in London. View the latest issue of the [journal](#).

## Upcoming events

### Building Conferences: Delivering Energy Infrastructure



24 February 2009, London, UK

For more information please view the brochure on the CCSA website:

[ccsassociation.org/useful\\_info/associated\\_events.html](http://ccsassociation.org/useful_info/associated_events.html)

### Platts 3rd Annual European Carbon Capture and Storage conference



26-27 February 2009, Brussels, Belgium

€300 EXCLUSIVE DISCOUNT FOR CCSA MEMBERS

Quote 'CCSA'

Platts 3rd Annual European Carbon Capture & Storage conference will once again unite the CCS community in tackling the current structural challenges, review CCS projects in their various stages and look to uncover opportunities in what will be a changed regulatory environment to ensure CCS lives up to its potential.

For more information please contact Stacey Knox:

T: +44 (0) 207 176 6226

F: +44 (0)207 176 8512

Email: [stacey\\_knox@platts.com](mailto:stacey_knox@platts.com)

Visit: [www.platts.com/Events/2009/pc965/](http://www.platts.com/Events/2009/pc965/)

### CO<sub>2</sub> Capture, Sequestration & Utilisation



5-6 March 2009, Beijing, China

Highlights: "Integrating Energy Production with Carbon Management Strategy"

- Integrating CTL with CCS
- Current international cooperation/partnership on CCS
- Environmental, regulatory framework and incentives, socio-economic challenges
- Current CO<sub>2</sub> capture technologies
- CO<sub>2</sub> geological storage & criteria for site mapping
- Other applications of CO<sub>2</sub>
- Carbon markets and linkage with CCS

For more information please contact Nadia AlBahar:

T: + 65 63469114

Email: [nadia@cmtsp.com.sg](mailto:nadia@cmtsp.com.sg)

Visit: [www.cmtevents.com/?ev=090313&st=31&pg=Sc](http://www.cmtevents.com/?ev=090313&st=31&pg=Sc)

### CDMC 5th Clean Energy Forum - Coal Gasification 2009



1-3 April 2009, Tianjin, China

CCSA MEMBERS SAVE \$200

Quote 'CCSA'

CDMC 5th Clean Energy Forum-Coal Gasification 2009 aims to trigger global efforts in facilitating clean coal reliability, commercial viability and economics and engender customer confidence. The world industry pioneers and practitioners will bring you the latest developments and performances of coal gasification, UCG, IGCC and CCS. Also you will reach the first hand information of clean coal related business opportunities all over the world, particularly in China, India, Indonesia, South Korea and Central Asia etc.

For more information please contact Shirley Zhang:

T: +86-21-68407631

F: +86-21-68407633

Email: [shirleyzh@chinadecisionmakers.com](mailto:shirleyzh@chinadecisionmakers.com)

## The Carbon Reduction Commitment: The Implications for Business

30 April 2009, London, UK

MEMBERS OF THE CCSA SAVE 10%  
Quote 'CCSA10'

The Environmental Industries Commission, in association with the Department of Energy and Climate Change and the Environment Agency, presents the essential event for understanding the implications the Carbon Reduction Commitment on your business.

Keynote Speaker: Joan Ruddock MP, Minister for the Carbon Reduction Commitment

For more information:

Visit: [www.eic-uk.co.uk/crc2009.cfm](http://www.eic-uk.co.uk/crc2009.cfm)

Or contact Rob Hill at EIC:

Tel: 0207 935 1683

Email: [rob.hill@eic-uk.co.uk](mailto:rob.hill@eic-uk.co.uk)

## Petroleum Economist Forum on Carbon Capture & Storage

- Event postponed until June



9-10 June 2009, London, UK (Note the change of date)

AS A MEMBER OF CCSA YOU CAN SAVE £245.

Join the Petroleum Economist Forum on Carbon Capture & Storage and explore the complex challenges behind the realities of implementing CCS technologies:

- Is CCS the key to large scale de-carbonisation?
- What policies are needed to drive progress?
- Testing, testing, testing - justifying the demonstration projects
- Developing commercial opportunities for CCS
- The PR challenge - How can CCS win over public opinion?

For more information:

Visit: [www.petroleum-economist.com/ccs](http://www.petroleum-economist.com/ccs)

Call: +44 (0) 20 7779 8840

Email: [events@petroleum-economist.com](mailto:events@petroleum-economist.com)

## Smi 2nd annual conference - Gasification



17-18 June, London, UK

For more information:

Call: +44 (0) 20 7827 6156

Visit: [www.smi-online.co.uk/09gasification6.asp](http://www.smi-online.co.uk/09gasification6.asp)

## External events

CO2GeoNet Open Forum

18-20 March 2009, Venice, Italy

For more information please view the website:

[www.co2geonet.com/Register.aspx?IdEvent=6](http://www.co2geonet.com/Register.aspx?IdEvent=6)

## Introduction to the Geological Storage of Carbon Dioxide (CO2)

A one day course from Senergy Training.

Learn about the principles, practice and security of CO2 storage in the UK context from Senergy's experts.

An acclaimed course in 2008 with 100% of participants rating the course good or excellent.

Dates for 2009 are:

- Thursday 19<sup>th</sup> March (Central London),
- Thursday 26<sup>th</sup> March (nr Aberdeen),
- Thursday 1<sup>st</sup> October (nr Aberdeen)
- Thursday 8<sup>th</sup> October (Central London).

Fee: £600 plus VAT

The course is designed for environmental and energy industry executives, managers, financiers, technical staff, government advisors, civil servants, politicians, journalists and any who wish to know more about the subject of carbon storage and its relevance to the UK and EU in achieving CO2 emissions reduction targets. There is no assumption of previous knowledge in any technical discipline.

"Thought provoking - which any good course should be" 2008 course participant.

For details of course content and tutors down load brochure [here](#).

Book online at [www.senergyltd.com/training](http://www.senergyltd.com/training)

Enquiries to [training@senergyltd.com](mailto:training@senergyltd.com) or phone Sarah McPhee on +44 (0) 1315231000

Locally tailored courses also being presented in Australia (Perth) in March and Canada (Calgary and Edmonton) in May.

## Contact Us

The Carbon Capture & Storage Association (CCSA) exists to represent the interests of its members in the business of capture and geological storage of carbon dioxide (known as Carbon Capture and Storage, or CCS) as a means of abating atmospheric emissions of carbon dioxide and potentially, as a means of enhancing the production of fossil hydrocarbons. From its base in London the CCSA brings together specialist companies in manufacturing & processing, power generation, engineering & contracting, oil, gas & minerals as well as a wide range of support services to the energy sector such as law, banking, consultancy and project management.

### The Carbon Capture and Storage Association

Suites 142-145, 4th Floor  
Grosvenor Gardens House  
35-37 Grosvenor Gardens  
London  
SW1W 0BS  
Tel: +44 (0) 20 7821 0528  
Fax: +44 (0) 20 7828 0310  
[info@ccsassociation.org](mailto:info@ccsassociation.org)

For more information about the CCSA please visit our website: [www.ccsassociation.org](http://www.ccsassociation.org)

To be considered by the Board for Membership please contact:

Pamela Rudolph

[pamela.rudolph@ccsassociation.org](mailto:pamela.rudolph@ccsassociation.org)