# Industry vote of confidence in Chemrec bio-fuel technology

**Smurfit Kappa Kraftliner and Chemrec AB have signed an agreement for a feasibility study of a large production plant for renewable methanol/DME fuel, at the Smurfit Kappa pulp and paper mill in Piteå.**
**A similar agreement was signed earlier this year with the New Page pulp- and paper mill in Escanaba, Michigan, USA.**

The agreement between Smurfit Kappa Kraftliner and Chemrec foresees completion of the feasibility study in April 2008. The projected plant will produce 70 000 tons of biofuels a year and it will utilize one third of the mill's black liquor flow.
The feasibility study for the biofuel production plant in Piteå will run in parallel with a corresponding study contracted by Chemrec last summer for the New Page pulp and paper mill in Escanaba, Michigan, USA and the two studies will support each other. 'We anticipate a good working relationship with the engineers at the pulp and paper mill in Escanaba', says Tore Persson, CEO of Smurfit Kappa Kraftliner Piteå.
Jonas Rudberg, CEO of Chemrec AB, expressed his pleasure with the new agreement. "This is an important breakthrough for the commercialization of black liquor gasification in Sweden, and we are particularly happy that Smurfit Kappa Kraftliner, which has hosted the successful building and operation of our first pressurized plant, has granted us a show of continued confidence." Smurfit Kappa Kraftliner is convinced that in the future, they will produce automotive fuels from forest biomass in addition to the forestry products of today. Given constraints on the availability of forest biomass, the highest possible energy efficiency and value addition is crucial for sustainable and profitable production of renewable automotive fuels. Pulp mills are therefore the optimal locations for this co-production. The process which so far has demonstrated the highest energy and cost effectiveness is black liquor gasification followed by production of methanol/DME. Additional steam required will be provided by increased firing in the mill's recently commissioned biomass boiler.
Robert Bergman, Project Manager for Solander Science Park where Chemrec and Smurfit Kappa participate, commented that "The new agreement is also very important for Piteå, Norrbotten and Sweden regarding research and politics. Industry will with this project show the way for society with solutions for biofuel production which will contribute to the mitigation of climate change".

For more information contact

Robert Bergman, Solander Science Park 070-5240058
robert.bergman@pnf.se
jonas.rudberg@chemrec.se
tore.person@smurfitkappa.se

**Chemrec AB** is a Swedish company dedicated to the technical development and commercialization of energy and chemicals recovery systems for pulp mills based on black liquor gasification. For more information see www.chemrec.se. Investors in Chemrec are Volvo Technology Transfer, Vantage Point Venture Partners, and Nykomb Synergetics.

**Smurfit Kappa Group** is a world leader in paper based packaging with a leading position in Europe and a strong position in Latin America.With sales in excess of € 7 billion and over 40,000 employees, the Smurfit Kappa Group is a focused leader in paper based packaging. Operating in over 30 countries (22 in Europe), it is the European leader in containerboard, solid board, corrugated and solid board packaging and has a key position in several other packaging and paper market segments, including graphic board, sack paper and paper sacks.

**Solander Science Park** works in close collaboration between industry, universities, research institutes and governments with the aim to develop pulp mill biorefinery concepts.
In addition we have a number of on-going examples of successful applications.
Members are Smurfit Kappa, SCA Packaging, Chemrec AB, ETC Energy Technology Centre , Billerud, Sveaskog, Sunpine, IS Pite, Wibax AB, Piteå Municipality, Luleå University of Technology, Umeå University, Swedish University of Agriculture Science.