



News Release

Innovation in sulfuric acid production

Bayer Technology Services completed sulfuric acid plant featuring innovative technology

BAYQIK[®] process significantly reduces sulfur dioxide emissions and boosts production capacity cost-efficiently

Leverkusen, June 16, 2009 – Bayer Technology Services GmbH (BTS) has been commissioned by Berzelius Stolberg GmbH, the largest lead manufacturer in Europe, to build a sulfuric acid plant operating on the BAYQIK[®] process. The company is based in Stolberg near Aachen, Germany. The plant has now been successfully brought on stream after just 17 months. The BAYQIK[®] (Quasi-Isotherme-Katalyse [quasi-isothermal catalysis]) process developed by BTS can increase the SO₂ inlet concentration by up to 50 percent by volume. Coupled with optimized process management, this results in significantly higher conversion, i.e. sulfur dioxide emissions are greatly reduced. Another benefit is an increase of at least 30 percent in available plant capacity.

Berzelius tested and optimized the process in a pilot application on-site. Its robustness, quality and cost benefits were the deciding factors in awarding the contract for the planning, delivery and construction of the first large-scale plant based on the BAYQIK[®] process. The facility has a total capacity of 450 metric tons of sulfuric acid per day. As the BAYQIK[®] process is operated on a peripheral basis, the existing sulfuric acid plant was refitted cost-effectively with only a few days' downtime.

Sulfuric acid is one of the most important basic chemicals in the chemical and metal processing industry. It is used in the production of fertilizers, for breaking down ores in the extraction of metals and in metal recycling. Bayer developed the double contact process over 40 years ago and this method is still used worldwide to produce sulfuric acid.

Bayer Technology Services GmbH offers fully-integrated solutions along the life cycle of chemical and pharmaceutical plants – from development through engineering and construction to process optimization for existing plants. The Bayer subsidiary employs nearly 2,600 experts worldwide at its headquarters in Leverkusen and other German locations, as well as in regional offices in Belgium, India, Mexico, the United States, Switzerland, the United Arab Emirates and the People's Republic of China. 2008 sales totaled approximately EUR 420 million.

Additional information about Bayer Technology Services is available at www.bayertechnology.com.

Contact:

Birgit Neumann, Tel.: +49-214-30-83254, Fax: +49-214/30-96-83254

E-mail: birgit.neumann@bayertechnology.com

For more information, go to www.bayer.com

raj (2009-0267e)

Forward-Looking Statements

This news release may contain forward-looking statements based on current assumptions and forecasts made by Bayer Group or subgroup management. Various known and unknown risks, uncertainties and other factors could lead to material differences between the actual future results, financial situation, development or performance of the company and the estimates given here. These factors include those described in Bayer's published reports, which are available on the Bayer website at www.bayer.com. The company assumes no liability whatsoever to update these forward-looking statements or to conform them to future events or developments.