

Industrial City, on Saudi Arabia's Red Sea coast. SABIC has also signed a contract with Japan's Toyo Engineering Corp for the engineering, procurement and construction of an ethylene glycol plant at the same site.

YANSAB will be SABIC's largest petrochemical complex with an annual capacity of more than 4 million metric tons (MT) of various petrochemical products including: 1.3 million MT of Ethylene; 400 000 MT of Propylene; 900 000 MT of Polyethylene; 400 000 MT of Polypropylene; 700 000 MT of Ethylene Glycol; 250 000 MT of Benzene, Xylene and Toluene, and 100 000 MT of Butene-1 and Butene-2.

POWER GENERATION

FW TO SUPPLY SUPERCRITICAL CFB BOILER ISLAND

Finland's Foster Wheeler Energia Oy, and Polish subsidiary Foster Wheeler Energia Polska Sp zoo, have received full notice to proceed (NTP) with the design, supply and erection of the circulating fluidised-bed (CFB) boiler island for Poludniowy Koncern Energetyczny's (PKE) new 460 MWe power plant at Lagisza in southern Poland.

The FW contract accounts for US\$200 million of the US\$550 million project. Foster Wheeler has already undertaken pre-NTP phase activities, which included engineering and procurement services as well as placing purchase orders for pressure parts materials.

FW believes that the project marks a crucial step forward in bringing its CFB boiler technology to utility scale.

The new Lagisza unit, due for start-up at the beginning of 2009, will be built alongside PKE's existing 840 MWe power station at Lagisza, and is part of an ongoing PKE programme to replace outdated capacity with modern, high-efficiency, environmentally friendly technologies.

MINING

METSO TEAMS UP WITH TALIVAARA AS TECHNOLOGY PARTNER

Metso Minerals is to partner with Finland's Talvivaara Mining Co Ltd on research and development.

The cooperation is part of the Talvivaara Mine's measures to come up with a Bankable Feasibility Study in 2006 to back up major investment decisions for the Talvivaara Mine. Metso Minerals brings to the project technological know-how and resources for rock processing and bulk materials handling process development and will also use the project for its own technology development purposes.

The Talvivaara polymetallic deposits in Sotkamo, Finland are the largest known sulphide nickel resource in Europe, with 340 million tons of classified resources. The ore bodies contain substantial amounts of copper, zinc and cobalt.

CHEMICALS

LINDE TO BUILD ANOTHER ALPHA OLEFIN PLANT IN SOUTH AFRICA

Sasol Olefins and Surfactants has awarded Linde the contract for the engineering, procurement

and construction of another Alpha Olefin plant in Secunda, South Africa.

The plant is based on a new technology, converting 1-Heptene to the valuable 1-Octene product. This liquid hydrocarbon is used as chemical intermediate in the production of polymers, like polyethylene, fatty acids, detergent alcohol, plasticiser alcohols and lubrication oil additives.

The new plant, with a product capacity of 100 000 tons per year, is the sixth Alpha Olefin plant that Linde will be erecting within Sasol's Secunda Complex, which is situated approximately 130 km east of Johannesburg. The plant is scheduled to be mechanically completed by mid April 2007.

JACOBS RECEIVES NOVA CHEMICALS CONTRACT

Jacobs Engineering Group Inc is providing engineering, global procurement, construction management, and modular fabrication services for an expansion project at NOVA Chemicals' Beaver Valley, Pennsylvania manufacturing site.

The project combines both grassroots and revamp components into the expanded facility. Jacobs is leading project execution out of its Houston office, with modular construction support from its fabrication facility in Charleston, South Carolina.

TOYO AWARDED LARGE DME PLANT IN CHINA

Toyo Engineering Corp has received a contract for the licensing, basic design and supply of catalysts for the world's largest coal-based 210 000 tons/year fuel-use dimethyl ether (DME) manufacturing facility.

This plant is to be installed in Ningxia in northwestern China by Ningxia Coal Group Co Ltd, a Chinese state-run coal company, and is expected to be completed by the end of 2007.

For Toyo, this is the third DME project awarded following the completion of the world's first fuel-use DME plant with a capacity of 10 000 tons/year, and a second plant with a capacity of 110 000 tons/year which is currently under construction at Luzhou in the Sichuan province.

WATER & WASTEWATER

B&V TO IMPROVE WASTEWATER FACILITIES IN LIUZHOU, CHINA

Black & Veatch is to work on a four-year consultancy program to improve urban environmental management in Liuzhou, China.

Funded by a loan from the World Bank, along with government contributions, the Liuzhou Environmental Management Project will help improve wastewater management and treatment, transfer and collection of solid waste, and public lavatories.

Black & Veatch will be responsible for providing consultancy advice on design review and construction supervision for this long-term urban environmental services improvement programme which will include the construction of four wastewater treatment plants ranging in capacity from 25 000 to 150 000 m³/day (7 to 40 million gallons per day), a municipal solid waste transfer station, 42 waste collection stations, and just over 60 public lavatories. The project also includes a creek rehabilitation project, procurement of waste hauling