



Media Release

Kuwait National Petroleum Corporation Selects EPC Contractors To Build World's Largest Residuum Hydrotreater Complex

Kuwait National Petroleum Corporation (KNPC) selected contractors to execute the world's largest residuum hydrotreater complex to be built anywhere in the world licensed by Chevron Lummus Global (CLG). This 330,000 BPSD hydrotreater complex, based on CLG's Upflow Reactor (UFR) technology is part of the New Refinery Project (NRP) in Kuwait whose design objective is to produce low-sulfur fuel oil for power generation. Because of equipment size and weight limitations and to provide additional operational flexibility, KNPC has decided to build three separate RDS units, each processing 110,000 BPSD atmospheric residue feed. In addition each unit will have two independent high pressure reactor loops with a common fractionation section. To mitigate pressure drop build-up during the run, the units are designed with UFRs as guard reactors. The extended engineering design for this ARDS unit has been completed; the unit is scheduled to start-up in 2010. For processing heavy feeds, the UFR technology is much more economical in assuring that cycle life will be determined by catalyst deactivation rather than by fixed bed guard zones of reactors.

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