

26-2-24

### **Carbon Capture trial in International Paper, USA**

International Paper's Vicksburg containerboard mill has been selected for Carbon Capture Pilot Program. A first-of-its-kind for the pulp and paper industry, the pilot will be at IP's Vicksburg Containerboard Mill. The U.S. Department of Energy (DOE) Office of Clean Energy Demonstrations (OCED) announced up to \$304 million in funding for four projects to pilot transformational technologies designed to capture carbon dioxide (CO<sub>2</sub>) in Kentucky, Mississippi, Texas and Wyoming. Nonprofit research institute RTI International was selected for award negotiations to lead the carbon capture pilot in Mississippi in collaboration with International Paper (IP), SLB and Amazon.

The project aims to capture 120,000 metric tons of CO<sub>2</sub> per year, an amount equivalent to the annual CO<sub>2</sub> emissions of nearly 27,000 gasoline-powered cars, and direct it to a site for permanent geologic storage. Phase 1 of this pilot project will conduct a front-end engineering design (FEED) study for a carbon capture system at IP's containerboard mill. If successful, subsequent phases would lead to permitting, construction and operation of a carbon capture plant.

The four-party collaboration includes the technology developer (RTI), the technology deployment partner (SLB), the host site (IP) and the end user (Amazon). The project will provide IP and Amazon with long-term testing data on carbon capture performance and emission control, as well as a techno-economic analysis of CO<sub>2</sub> capture through RTI's NAS technology.