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Kawasaki Kisen Kaisha, Ltd.

“K” LINE Begins Participating in Joint Study on Liquefied CO₂
Marine Transportation for Carbon Dioxide Capture and Storage

Kawasaki Kisen Kaisha, Ltd. (“K” LINE) has reached an agreement with TOKYO GAS CO., LTD. (“Tokyo Gas”) regarding a joint study of liquefied carbon dioxide (CO₂) marine transportation with a view towards achieving carbon dioxide capture and storage (CCS).

The Japanese government believes CCS to be one of the significant methods for achieving carbon neutrality and aims to enable the storage of 120 to 240 million tons of CO₂ per year in 2050. The final report of the study group for a long-term CCS roadmap suggests that the use of the promising storage potential overseas is one strong option. This requires the liquefaction of CO₂ and marine transportation of the liquefied CO₂ to a place suitable for CO₂ storage.

The two companies will carry out a simulation of marine transportation of liquefied CO₂ to storage sites in Japan and in the Asian-Pacific region for CO₂ emitted in the Tokyo metropolitan area, as well as studying its economic efficiency and operations relating to the transportation of liquefied CO₂ by ship. Based on the findings of this study, both companies aim to help achieve carbon neutrality in the Tokyo region with various types of carbon management solutions including CCS.

“K” LINE group is promoting a variety of initiatives to support the low-carbon and carbon-free of its own operations and society in accordance with its long-term environmental policy, “Environmental Vision 2050”. In the field of CCS, we are planning to start the world's first full-scale carbon capture and storage (CCS) transport from next year. It is expected that liquefied CO₂ carriers will sequentially begin to operate in Japan and overseas in the future. “K” LINE will incorporate knowledge*¹ acquired from operations, including this study, into its future development of businesses with the aim of realizing a sustainable society and increasing its corporate value.

*¹ The webpage for the press releases about “K” LINE’s activities concerning liquefied CO₂ transportation:

<https://www.kline.co.jp/en/news/carbon-neutral.html>

[Contact Information]