



March 11, 2022

**Notice Regarding Installation of CO₂ Liquefaction System for Demonstration Trial
of Separation and Capture of CO₂ from Cement Kiln Exhaust Gas**

Taiyo Nippon Sanso Corporation (“TNSC”, President: Kenji Nagata) hereby announces that it has installed a CO₂ liquefaction system in February 2022 as part of collaboration on a CO₂ liquefaction process for the “Development of Carbon Circulation Technology for the Cement Industry”, an independent project of Taiheiyo Cement Corporation that has been adopted by the New Energy and Industrial Technology Development Organization (NEDO).

The “Development of Carbon Circulation Technology for the Cement Industry” is a project conducted by Taiheiyo Cement Corporation for encouraging the creation of innovative decarbonization technologies in the cement industry by developing technology to recycle CO₂ emitted in the cement manufacturing process as a resource for reuse as raw material for cement and civil engineering material. Within the project, Taiheiyo Cement Corporation is conducting a demonstration trial of separating and capturing CO₂ from cement kiln exhaust gas at its Kumagaya Plant (Kumagaya City, Saitama Prefecture). TNSC is providing technical collaboration on a series of processes for liquefaction of captured CO₂ in the trial demonstration and has installed a CO₂ liquefaction system.

TNSC will apply its accumulated expertise in high pressure gas security and gas handling technologies in working with customers to contribute to the realization of a carbon neutral society in various ways.



CO₂ liquefaction system

Taiyo Nippon Sanso Corporation

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