Conceptual Process Design of Intermediate Storage Terminal for Carbon Sequestration

이상호, 임영섭, 이철진, 박찬샘, 한종훈*
서울대학교 화학생물공학부
(chhan@snu.ac.kr*)

Nowadays, the necessity of Carbon Dioxide reduction is increasing due to a national project so-called "Green Growth". For the project, there are many bright technologies to reduce Carbon Dioxide but among these, Carbon Capture and Sequestration (CCS) is the focus of interests. The CCS project can be divided into three specific processes, which are capture, transport and storage. Many researches about capture and storage are in progress, but transport is not interested in comparison to others. In the transporting methods, using pipe and shipping are available but in order to ship CO2, the transport terminal should be necessary. In this research, a conceptual design of CCS terminal is developed and it will give some standards which can help the FEED design.