

On the background level of CO observed at Tae-ahn Peninsula  
in Korea during 1990 - 1992

(한국의 태안반도에서 관측된 CO의 배경농도에 관한 연구)

이근준\*·정용승  
한국교원대학교 환경과학연구소

Since November 1990, the observations of carbon monoxide(CO) levels have been carried out at Tae-ahn Peninsula(TAP) in Korea. Analysis on atmospheric data obtained in the period from November 1990 to February 1992 is carried out and the results are included in this study.

It is observed that variations of monthly average level on CO are in the range of 141.61 ppb - 516.06 ppb (amplitude 374.45 ppb). Carbon monoxide observed at TAP has a larger seasonal variation than other gases(CO<sub>2</sub>,CH<sub>4</sub>). One of reasons appears to be that CO of TAP is strongly influenced by local sources and airflows.

When this gas at TAP are compared with data observed at Korea National University of Education(KNU), we learn that CO values of KNU are much higher(in average 2.15 times) than those of TAP. It is clear that air samples taken at KNU are influenced strongly by local sources than those of TAP.