

INVENTORY OF Hg EMISSION IN CHONGQING CHINA TODAY

Changle Qing1 (Southwest Agricultural University Chongqing, 400716 China),

Song Mu (UNMC. 68104 NE, USA)

<Abstract >

Mercury contamination of soil, water, and plant in Chongqing has been concerned several years ago. Still now mercury polluted the agricultural plant occasionally here. The reasonable mercury source must be burning coal increase with the development of industrial, in which the mercury content is up to 0.32 mg/kg,.

At end of 80s the coal burning was about 1.4 million tone per year, but now it was up to 1.58 million tone per year. Almost of them was from the new power plant setting up, some of them was from chemical industry, thermometer industry, and else.

The sum of Hg emission is 5.68 kg/y., and contribution of each is: 87.8 % from coal burning; 7.6 % from thermometer industry; 2.9 % from chemical industry; and 1.7 % from else.

The agricultural land and vegetable nearby the industry are more or less increase in mercury. According to research results showed: mercury in many kinds of vegetable was exceeding the **Health Standard** (0.01mg/kg, fw); about 10-30 % of vegetable mercury was coming from soil which vegetable growth in, and about 70-90 % of them was coming from air in normal conditions in Chongqing.