



E. I. DU PONT DE NEMOURS & COMPANY
INCORPORATED

PETROLEUM LABORATORY
WILMINGTON, DELAWARE 19898

D. R. Diggs
A. J. Pahnke
C. G. Pfeifer
R. D. Snee

TELEPHONE
AREA CODE 609-299-5000

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Heavy Metals Secretariat
CEP Consultants Ltd.
26 Albany Street
Edinburgh EH1 3QH
United Kingdom

Gentlemen:

Included with this letter are six copies of the abstract of a paper we wish to submit for the International Conference on Heavy Metals in the Environment, September 1983. The paper is "Assessment of Blood Lead Levels in the U.S.A. from NHANES II DATA" by J. M. Pierrard, C. G. Pfeifer and R. D. Snee.

I look forward to hearing from you.

Yours very truly,

J. M. Pierrard
J. M. Pierrard
Engineering Fellow

Enc. 6 cc of Abstract

ABSTRACT

Assessment of Blood Lead Levels in the U.S.A. From NHANES II Data

J. M. Pierrard, C. G. Pfeifer, and R. D. Snee

Blood lead data from the Second National Health and Nutrition Examination Survey (NHANES II) have been analyzed. NHANES II was a cross-sectional study designed for measurement of health status with special emphasis on nutrition. Venous blood lead was determined for approximately one-half of the twenty thousand residents examined between 1976 and 1980 in 64 locales of the contiguous U.S.A. and Hawaii.

Effects of oversampling the low income, preschool and elderly segments of the population were studied. Variation in demographic composition in the 64 locales over the four year course of the survey also were analyzed for their influence on interpretation of blood lead results. An analysis of quality control data to develop adjustments for analytical variability also was conducted.

Carboxyhemoglobin and other biochemical measurements made in NHANES II also were studied to supplement the analysis of blood lead data. This was useful in estimating the health risk due to elevated blood lead.

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