

INTEROFFICE
MEMORANDUM

Date 22 February 1974

Subject PERSONNEL SAMPLING OF

VINYL CHLORIDE

To E. Ray/G. Speed

Pensacola/Calvert City

(Location, Organization, or Department)

From J. C. Novak

Valley Forge

(Location, Organization, or Department)

CC: J. D. Kramer
A. K. McMillan (2) ✓
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M. H. Stermon
R. McGinnis

INSTRUCTIONS FOR C115 PUMP AND ORGANIC VAPOR
CHARCOAL ADSORPTION TUBES FOR SAMPLING FOR VINYL CHLORIDE

I. Equipment and Materials Required for Test:

- A. C110 or C115 pump
- B. Charger for pump battery
- C. Charcoal adsorption tubes
- D. Connecting hose

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A. K. McMILLAN

II. Instructions for Sampling

- A. Charge battery for 16 or 64 hours, whichever is convenient. Note charge rate switch on side of charger. Do not attempt a survey without first charging battery fully. To charge battery:
 - 1. Loosen two screws on top of pump and two screws on bottom of pump.
 - 2. Pull cover off exposing battery and mechanism.
 - 3. Unplug connector on right side of battery, and plug into charger.
 - 4. Plug charger cord into 115 volt 60 Hz AC source.
 - 5. DO NOT OVERCHARGE BATTERY AS REPEATED OVERCHARGING SHORTENS BATTERY LIFE.
- B. Attach pump to worker's belt and place sample hose around worker's neck as shown in Diagram.
- C. Connect hose to glass tube. The charcoal tube should be mounted vertically, open end facing up, on the worker's shirt, in order to obtain a personal sample. See Diagrams I and II.
- D. Operate the pump at 2 liter per minute. CHECK PUMP FLOW RATE PERIODICALLY AND ADJUST IF NECESSARY.

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E. To set pump flow rate:

1. Adjust the flow rate control on the pump to give the rotometer indication required for the charcoal adsorption tube operating at 2 LPM.

F. Run the pump for 4 to 6 hours. Exact timing and flow rate are important.

G. After test is completed, remove hose and glass tube and cork the test tube.

H. Fill in all required information in log book.

I. Recalibrate pump once a week with wet test meter and retain calibration data in log book.

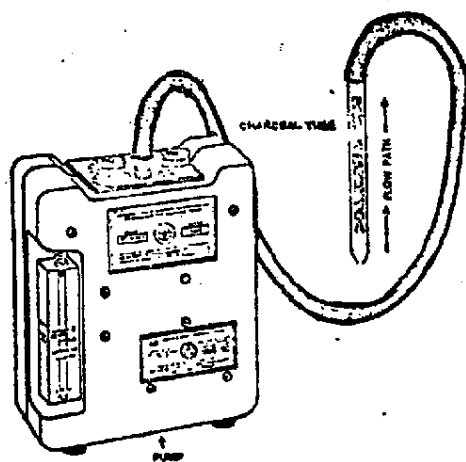
J. Required information:

1. Date:
2. Pump Number:
3. Location:
4. Person monitored:
5. Time monitoring started: Hour _____ Min. _____
6. Time monitoring stopped: Hour _____ Min. _____

JC Novak
J. C. Novak

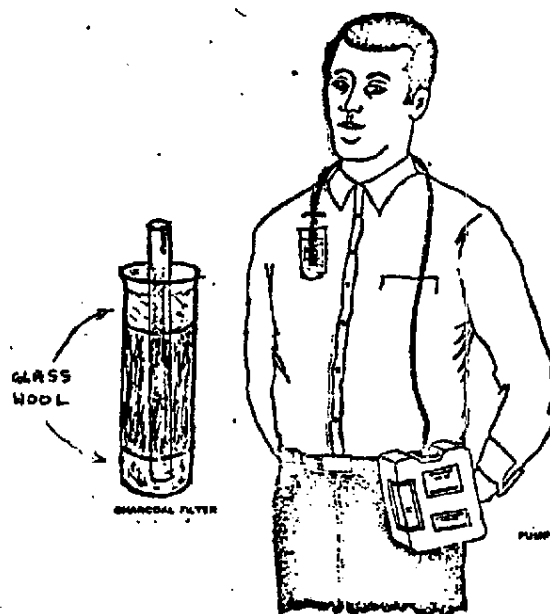
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CHARCOAL ADSORPTION TUBE-METHOD

DIAGRAM I



PERSONAL SAMPLE IN BREATHING ZONE
CHARCOAL ADSORPTION

DIAGRAM II

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