

Date 9 April 1974

INTER-OFFICE
MEMORANDUM

Subject PERSONNEL SAMPLING OF

VINYL CHLORIDE

To E. Ray
G. Speed

Pensacola
Calvert City

(Location, Organization, or Department)

From J. C. Novak

VF

(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. Bendix C115 pump.
- b. Charger for pump battery.
- c. Charcoal adsorption tubes.
- d. Connecting hose.

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 I.
- c. Break off both ends of sampling tube. Connect tube to hose so that arrow head is at hose end. The charcoal tube should be mounted vertically, open end facing down, on the worker's shirt, in order to obtain a personal sample. See Diagrams I and II.
- d. Operate the pump at 1 liter per minute. CHECK PUMP FLOW RATE PERIODICALLY AND ADJUST IF NECESSARY.

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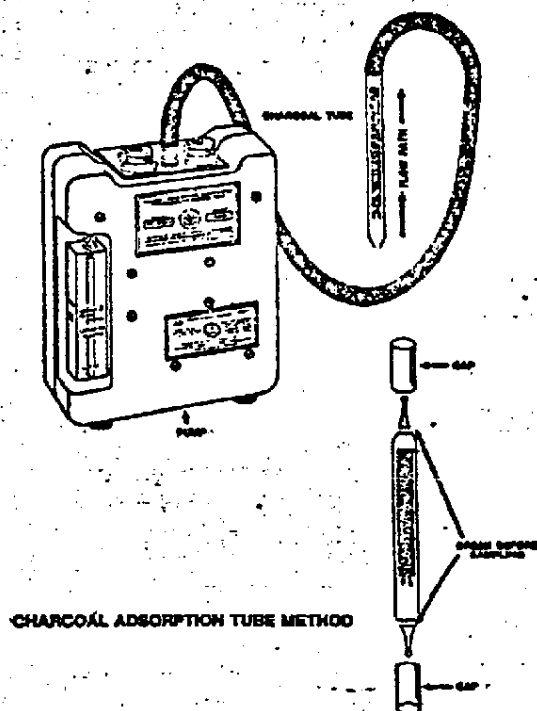
- e. To set pump flow rate:
 - 1. Adjust the flow rate control on the pump to give the rotometer indication required for the charcoal adsorption tube operating at 1 LPM.
- f. Run the pump for 15 to 30 minutes. Exact timing and flow rate are important.
- g. After test is completed, remove hose and glass 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

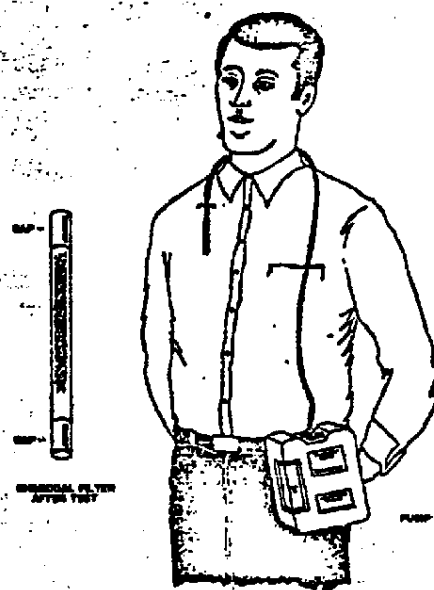
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CHARCOAL ADSORPTION TUBE METHOD

DIAGRAM I



PERSONAL SAMPLE IN BREATHING ZONE
CHARCOAL ADSORPTION TUBE METHOD

DIAGRAM II