



DOW CHEMICAL U.S.A.

January 2, 1987

LOUISIANA DIVISION
P. O. BOX 150
PLAQUEMINE, LOUISIANA 70765-0150
504 389-8000

Lynn Dugas, 3801
/Milton Rudolf, 3801

INDUSTRIAL HYGIENE FUME HOOD EVALUATION AT PROMIX

On December 30, 1986, the laboratory hood at Promix was evaluated for face air velocity using the Alnor Model 8525 Thermo Anemometer. Laboratory hoods are classified according to their hood face velocities with the sash at an 18-inch opening. Laboratory hoods are grouped into four classifications:

Class A (high toxicity use) Carcinogenic, toxic, highly flammable.	125 - 150 ft/min average hood face velocity. 100 ft/min minimum reading.
Class B (normal lab use) Toxic or flammable	100 ft/min average face velocity. 80 ft/min minimum reading.
Class C (low toxicity use) Non-toxic or non-hazardous compound.	75 ft/min average face velocity. 50 ft/min minimum reading.
Class D (Inadequate)	

The lab hood was determined to be Class B, but just barely so. The filter should be checked to see if it is plugged and the belts should be checked to make sure they are not slipping.

Bill

William E. Ledford
Industrial Hygiene

ck