



DOW CHEMICAL U.S.A.

October 13, 1982

LOUISIANA DIVISION

P. O. BOX 150

PLAQUEMINE, LOUISIANA 70764-0150

504 389-8000

✓ Harry Smith
Bayou Teche Promix Plant

cc: J. R. Boudreaux
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ANNUAL NOISE SURVEY

The annual noise survey was conducted at the Bayou Teche Promix Plant on September 29, 1982. The measurements were made using a Bruel and Kjaer, Type 2219 Sound Level Meter. The A-weighted scale was used with the meter on the slow response setting. The sound level readings obtained were recorded on a diagram of the plant layout and a copy is attached for your reference.

The acceptable exposure level for noise is 85 dB(A) averaged over an eight-hour period. Employees exposed to sound levels in excess of this amount must wear approved hearing protection to reduce their exposure to an acceptable level. In addition, the Louisiana Division noise standard requires caution signs to be posted around the periphery of all areas with noise levels above 90 dB(A). The signs must include the following:

WARNING
NOISE AREA
MAY CAUSE HEARING LOSS
USE PROPER EAR PROTECTION

The signs must meet the OSHA regulations for "Caution" signs: Black letters on a yellow background. The yellow sign blanks can be obtained from the Division Stock Department.

Several areas were much lower in noise level than during the previous survey. Specifically, these are the area near the rerun pump in front of the tank area, the area around the heaters for the hot oil system and the air compressor building where a very loud heat exchanger had been removed.

If you have any questions about this information, please don't hesitate to contact me.

Bill
William E. Ledford
Industrial Hygiene

sb

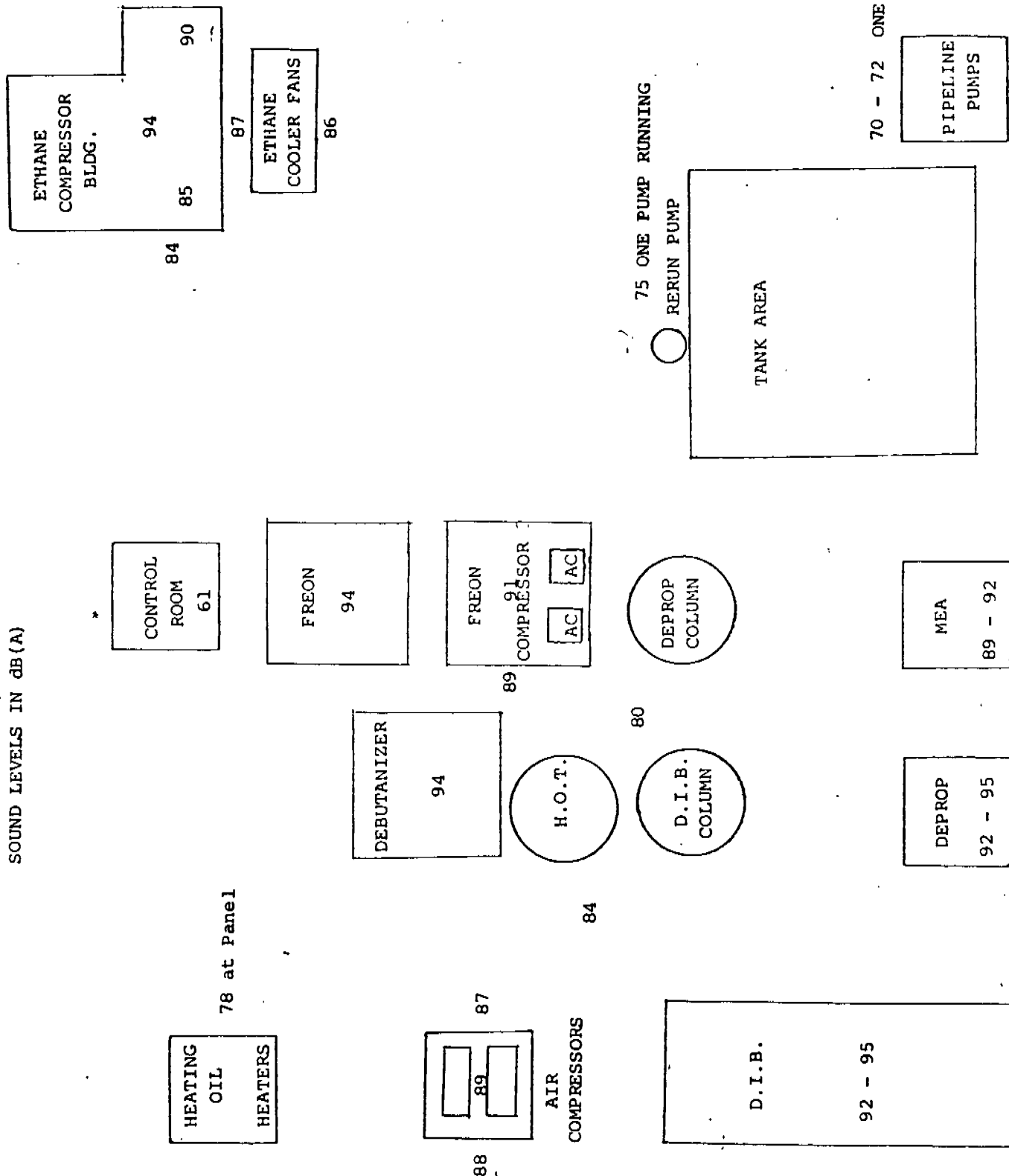
AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY

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BAYOU TÈCHE - SOUTH PLANT

SEPTEMBER 29, 1982

SOUND LEVELS IN dB(A)



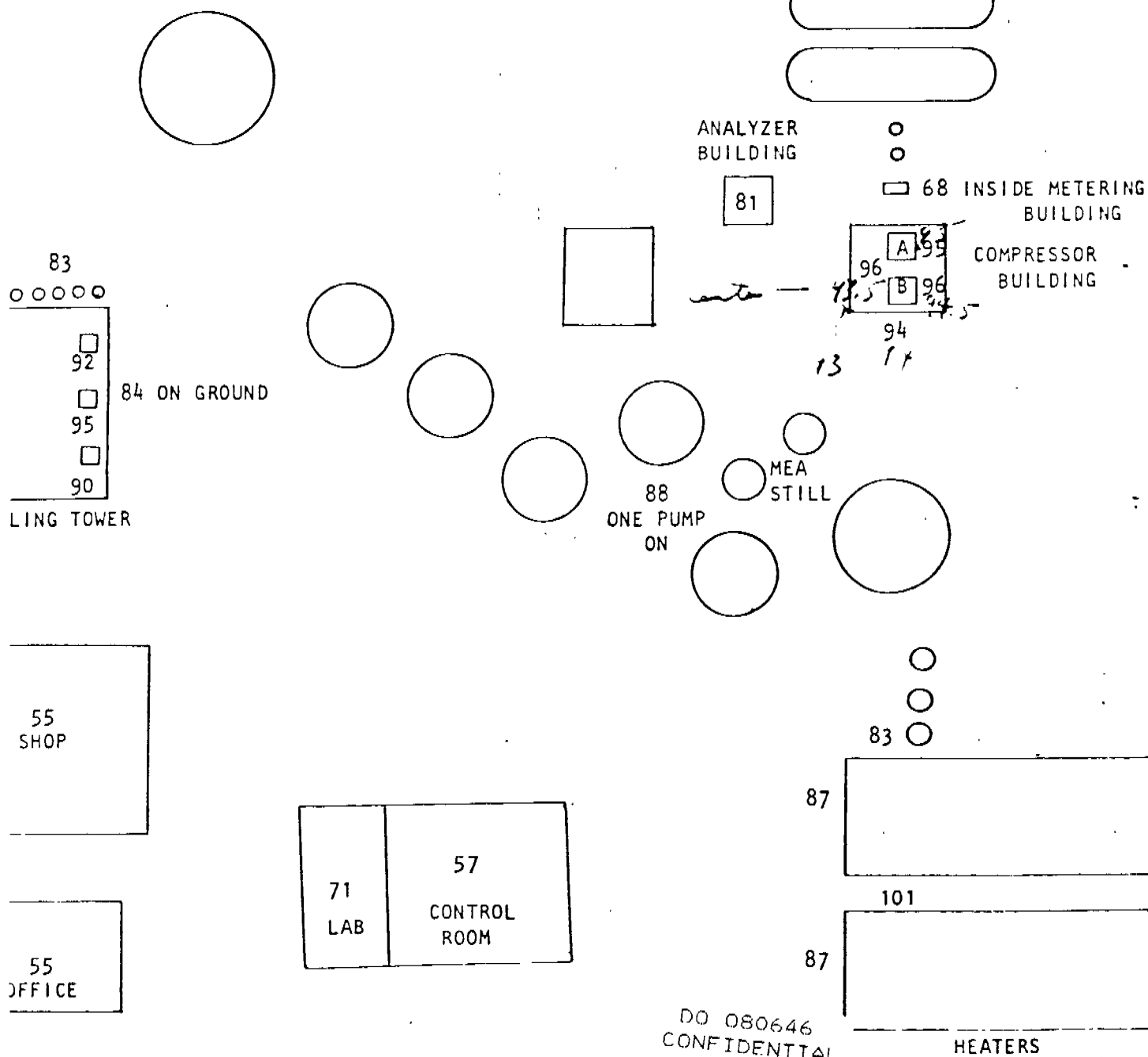
Rechecked compressor noise on 5/11/82 after shutdown compressors put on computer control and different inter stage pressures.

FIGURE 1
3-17-82 NOISE SURVEY
GRAND BAYOU PROMIX SURVEY
SOUND LEVEL INDICATED IN dB(A)

No substantial change was found.
Little faster at walkway on one end.

B&K TYPE 2219 SOUND LEVEL METER,
A WEIGHTED SCALE, SLOW RESPONSE,
CALIBRATED AT 94 dB, 1000 Hz.

PRODUCT PUMPS
94 AT 3 FEET FROM
EP PUMPS



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