

September 2, 1988.

TO: LHC 3 Contract & Dow Personnel

RE: E-21 Benzene Monitoring Results

On July 27, 1988, monitoring was performed using 3M 3500 badges on persons breaking the flanges on E-21 (Quench Water Cooler) to repair an exchanger leak.

The results were as follows:

CONTRACT PERSONNEL	TIME	(TWA) PPM BENZENE
Ronnie Sagona	495 min.	.0005
Alvin Brown (Breathing Air)	105 min.	.0004
Willie Gros (Breathing Air)	105 min.	.0006
Gerald Taylor	495 min.	.002
Jerry Dubois	105 min.	LOQ*

DOW PERSONNEL

Dane D'Armond (Respirator)	215 min.	.00004
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AREA

South end of E-21	240 min.	.019
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* LOQ - Limit of Quantitation (non-detectable)

The TWA (Time Weighted Average) for benzene is 1 ppm.

The persons involved wore no respiratory protection except where noted.

The results of this monitoring indicate that there was no exposure problem to benzene during this work.

Dane L. D'Armond
Industrial Hygiene Contact
LHC 3