

Shell Oil Company • Shell Chemical Company

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CONST.
PAYNE & KELLER
MR
RO

Deer Park Manufacturing Complex
P.O. Box 100
Deer Park, Texas 77536

October 14, 1981

Payne & Keller, Inc.
ATTN Mr. Don Harris
P.O. Box 12546
Houston, Texas 77017

PLANTIFF'S EXHIBIT

SH-821

Dear Mr. Harris:

Personnel sampling to determine asbestos exposure levels in the CA Unit during the mixing of the diaphragm slurry and washing of the cell cathode is attached. The sampling is done in accordance with OSHA Asbestos Standard 1910.1001. Payne & Keller employees are involved in this task and as a result have been included in the monitoring program.

As you know, the OSHA Permissible Exposure Limits are 2.0 fibers/cc of air, eight-hour time-weighted average, and 10.0 fibers/cc, ceiling limit. The careful work procedures outlined when mixing the diaphragm slurry and washing of the cell cathode have been successful in maintaining asbestos below the permissible exposure limits. However, as a precaution, employees are also instructed to wear a Scott full facepiece respirator with a chlorine, mist and dust canister during the mixing of the diaphragm slurry to avoid any exposure to asbestos. Since the slurry preparation seldom requires more than ten to fifteen minutes and the cell cathode washing more than sixty minutes, the employee's eight-hour TWA is much less than 2.0 fibers/cc of air.

As our monitoring program continues, we will report additional personnel sampling results for Payne & Keller employees. If you have any questions regarding these results, please feel free to contact me at 476-7374.

Yours very truly,

P.J. Snyder
Industrial Hygienist

PJS:md

Attachment

bc: w/attachment
L.W. Horstman
F.G. Reitz
J.D. Washburn

PJS Chron
✓ ECB Satellite

DPMC-05781

LAM 009328

ASBESTOS EXPOSURES OF PAYNE & KELLER PERSONNEL DURING NORMAL OPERATING CONDITIONS AT THE CA UNIT

<u>Name</u>	<u>Date</u>	<u>Sample Period</u>	<u>Job</u>	<u>Remarks</u>	<u>Sample Time, Min.</u>	<u>Asbestos Fibers/ml air</u>	<u>Protective* Equipment</u>
	9/2/81	0930-0941	Deposition	Emptied 75 lbs. each of H-1 and H-2 VAG asbestos into slurry mixing tank for cell diaphragm make-up.	11	0.7	A
	9/3/81	0847-0956	Deposition	Emptied 75 lbs. each of H-1 and H-2 VAG asbestos into slurry mixing tank for cell diaphragm make-up.	9	0.6	A
	9/3/81	0905-1005	Wash Rack	Placed cell cathode in wash rack and washed diaphragm material from cathode using high pressure water. Washed area down when completed.	60	0.2	B

*A - Personnel wore a Scott full facepiece with Cl₂, mist & dust canister and protective clothing.

B - Personnel wore full face shield and protective clothing.

DPMC-05782

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