

August 4, 1977

Mr. Bernard Leonka, Business Agent
Local 332
United Electrical, Radio & Machine Workers of America
32 William Street
Glens Falls, New York 12801

Dear Mr. Leonka:

We are now approaching the final analyses of all the medical data that we obtained during our clinical field survey in March, 1976.

The first information that is available can be summarized as follows:

1. Skin abnormalities

There was a high prevalence of skin changes among the examined workers. Some of the changes were rather specific in nature and similar to those seen after contact with chlorinated compounds. A few cases of chloracne, the most specific type of skin disease related to PCB's were seen. It is difficult at the present time to evaluate the significance of these findings. There is reason to believe, however, that the skin abnormalities may not only represent a local effect on the skin, but also reflect some degree of metabolic and biochemical disturbances in the body.

2. Porphyrin metabolism

During our field survey, we examined 30 individuals with regard to the excretion of a compound in the urine called uroporphyrin. An elevated excretion of this substance is invariably associated with metabolic disturbances in the body, in most instances reflecting impairment in liver function. In the examined group, there was one individual with markedly elevated uroporphyrin excretion. This can be PCB-related. This finding warrants further study among a larger number of workers.

3. Pulmonary function tests

All individuals participating in the examination had pulmonary function tests done. We were interested in determining whether the inhalation of PCBs may have an effect on lung function. Although there were very few individuals with subjective complaints of breathing difficulties, we were able to demonstrate with our sensitive

PLAINTIFFS
EXHIBIT

1293

GENP 003295

771460

RESULTS OF MEDICAL EXAMINATIONS - PCB EXPOSURE

1-1-76 to 4-12-76

Number of Employees Tested: 197

Employees with entirely normal examination and test results: 130

Abnormal (slightly to moderately elevated) Glucose - blood): 18

All were retested with Postprandial test.

Results of Postprandial tests: 15 normal limits

3 elevations suggesting diabetes mellitus

Uric Acid: 1 elevation

Triglycerides: 12 elevations

Cholesterol: 1 elevation

Triglycerides and Cholesterol elevated: 4

Blood Urea Nitrogen: 3 (30, 45, 29) Normal limit 25

Urinalysis: elevated WBC or RBC suggesting bladder infection: 5

Pulmonary Function Studies: (Results 75% of normal or less) 10

Abnormal Chest X-Rays: Emphysema - 6

Evidence of old infection - 2

Enlarged heart - 1

Lung lesion - 1

Electrocardiogram: Showing evidence of old myocardial infarctions - 3 (known)

Other incidental findings: 1 hypertension

1 sinusitis (deviated septum)

1 obesity

1 advanced arthritis

1 chronic eczema

1 alopecia areata (diagnosed as being due to nerves,
by dermatologist)

MEDICAL PROGRAM - Complete History

Physical Examination

SMA 25, CBC with differential

Urinalysis

EKG (over 40)

Pulmonary Function Studies

Chest X-Ray

HUDSON FALLS GENERAL ELECTRIC

GENP 003297

771462

SEX 40 AGE

PATIENT

REF. BY

GENERAL ELECTRIC CO.
DR. J. FRINGOLD
JOHN STREET
HUDSON FALLS, N.Y. 12439

ACCT. NO.

11175

SPEC. NO.

311126

101282231

PATIENT SOC. SEC. NO.

EST TEST NAME RESULT UNITS REFERENCE RANGE

CHEM-SCREEN PROFILE

CALCIUM	9.20	MG/DL	9.8-10.8
PHOSPHORUS	2.60	MG/DL	2.0-4.7
BUN	12.00	MG/DL	6-25
CREATININE	1.10	MG/DL	0.5-1.7
BUN/CREAT RATIO	10.91		
URIC ACID	6.00	MG/DL	2.5-8.5
TOTAL PROTEIN	6.70	GM/DL	6.2-8.3
ALBUMIN	4.50	GM/DL	3.6-5.2
GLOBULIN	2.20	GM/DL	1.9-3.7
ALB/GLOB RATIO	2.05		1.0-2.3
TOTAL BILIRUBIN	0.58	MG/DL	0.1-1.7
DIRECT BILIRUBIN	0.21	MG/DL	0-0.4
TRANSAMINASE, SGOT	17.00	I.U./L	1-50
TRANSAMINASE, SGPT	19.00	I.U./L	1-50
ALK. PHOSPHATASE	17.00	I.U./L	10-50
LDH	150.00	I.U./L	90-250
AMYLASE	104.00	UNITS	25-200
CHOLESTEROL	215.00	MG/DL	125-300
IRON	77.00	MG/DL	45-200
TOTAL LIPIDS	0.93	GM/DL	0.3-1.0
SODIUM	139.00	MEQ/L	134-145
POTASSIUM	4.50	MEQ/L	3.5-5.5
CHLORIDE	101.00	MEQ/L	96-110
G-GLUTAMYL TRANSFERASE	15.00	UNITS/L	1-40
TRIGLYCERIDES	105.00	MG/DL	50-200
HGB	5.55	MILLION	4-6
HCT	15.50	GM/DL	

DIFFERENTIAL**POLY

PCT.	45-77
PCT.	0-5
PCT.	16-45
PCT.	0-8
PCT.	0-4
PCT.	0-2

PLATELET

WBC

URINALYSIS

APPEARANCE	CLOUDY	ACETONE	NEG	WBC	2-5
P H	5	ALBUMIN	NEG	REC	NEG
SPEC. GRAV.	1.026	GLUCOSE	NEG	CASTS	NEG
		BLOOD	NEG	FACTERIA	SLIGHT
				EPITHELIAL	2-5
				CRYSTALS	NEG

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