

Px1434A

HUMAN EFFECTS, TCDD (PCDF)

No Known Exposure to Pure TCDD
PCDF

Occupational Exposures: Contaminant of Trichlorophenol

Trichlorophenate

2,4-D

2,4,5T

PCB's

Clinical Features

Laboratory Findings

CONSTANT

Acne

INCONSTANT

Neuromuscular Symptoms
Severe Pain - Chest,
Extremities
Weakness - Extremities

Peripheral Neuritis
(Myelin Degen.)

INCONSTANT

Enlarged, Tender Liver

Decrease Prothrombin Time
Increase SGOT

OCCASIONAL

Porphyria Cutanea Tarda

Uroporphyrinuria

INCONSTANT

Hyperpigmentation Skin

Increase in Triglycerides

INCONSTANT

Hirsutism Face

INCONSTANT

Irritability

INCONSTANT

Eye Irritation

004300

G000287.12

lipid and carbohydrate metabolism, endocrinologic, behavioral, chronic respiratory and immunobiologic effects, especially susceptibility to infections.

The identifiable populations known to have been exposed to TCDD are the good potential sources of such information. These should include populations involved in the manufacture and use of 2,4,5-T, 2,4-D, trichlorophenol, PCB's, as well as known exposures to TCDD and PCDF. These efforts would be most fruitful as a collaborative effort involving exposed populations in several countries using a common study protocol. The plan should include studies of individual cases, a retrospective epidemiologic component and a prospective epidemiologic program.

Last Page of HD 1434 - From
and of Dis. and kinds articles
on Chloracne given at symposium in
1978 - HA 41727

G000287.21

PX1464

CANCER DEATHS OF WORKERS EXPOSED TO ^{TE2D}~~2,4,5-T~~,
OMITTED FROM TABLE 10, ZACK-GAFFEY REPORT

	<u>NAME</u>	<u>DATE OF DEATH</u>	<u>SOURCE OF INFORMATION</u>
1.	James Roe	1964	Zack-Suskind
2.	Howard Cochran	1971	Zack-Suskind
3.	Herman Moore	1978	Zack-Suskind
4.	Hugo Tidquist	1978	Zack-Suskind
5.	John Workman	1971	Strauss
6.	*Stonewall Farley	1962	Zack-Suskind
7.	*Howard Hudnall	1970	Zack-Suskind
8.	*Ralph Westfall	1970	Zack-Suskind
9.	*Robert Arthur	1973	Zack-Suskind

* Omitted from exposed group,
but included in non-exposed group.

Number in Table 10 . . . 9	Deaths Observed . . . 18
Number Omitted <u>9</u>	Deaths Expected . . . 10.94
Cancer Deaths, Total . 18	Excess Deaths . . . 65%

PX1464

TEDD
CANCER DEATHS OF WORKERS EXPOSED TO ~~2,4,5-T~~,
OMITTED FROM TABLE 10, ZACK-GAFFEY REPORT

	<u>NAME</u>	<u>DATE OF DEATH</u>	<u>SOURCE OF INFORMATION</u>
1.	James Roe	1964	Zack-Suskind
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9.	*Robert Arthur	1973	Zack-Suskind

* Omitted from exposed group,
but included in non-exposed group.

Number in Table 10 . . . 9	Deaths Observed . . 18
Number Omitted <u>9</u>	Deaths Expected . . 10.94
Cancer Deaths, Total . 18	Excess Deaths . . . 65%

PX1465

ZACK-GAFFEY REPORT

DEATHS IN EXCESS OF EXPECTED

<u>CAUSE</u>	<u>NUMBER</u>	<u>PERCENTAGE OF DEATHS HIGHER THAN EXPECTED</u>
* Lung cancer	10	143% higher
Genitourinary cancer	2	108% higher
Bladder cancer	2	809% higher
** Lymphatic cancer	3	92% higher
*** Other sites	2	26% higher
**** All cancers	18	43% higher
Heart disease	27	37% higher

* Four deaths omitted from Zack-Gaffey Report

-----** Completely omitted from Zack-Gaffey Report

*** One death omitted from Zack-Gaffey Report

**** Nine deaths omitted from Zack-Gaffey Report