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: Dr. A. Ford

WRB0808Y.RPT

te: August 8, 1984

object: Review of Health Study Conducted by
University of Cincinnati 6/79

roduction:

your request I have reviewed plant documents concerning the
iversity of Cincinnati health study conducted in 6/1979. This
ort summary with the attached documents should serve to give
an idea of how the study was conducted. This summary is
sically from the view point of the plant and concerns the
tivities that involved plant personnel. It is certainly not a
mprehensive report as much of the work was done by St. Louis
rsonnel, particularly Jan Yung. I am sure that she can supply
portant information that will "fill in the gaps".

iversity of Cincinnati Health Study

purpose of the study was to follow up on U. of Cinn.
vestigations conducted in the early 1950's after the 1949
losion and determine what, if any, exposure related health
fects were still evident.

om the start it was the goal of the plant to remain independent
om the U. of Cinn. group in the conduct of the study. Our
ior goals were two'fold:

- (1) To encourage as many individuals as possible to attend
the health examination
- (2) To obtain the most complete data possible to assure
accurate and verifiable results

termination of the Cohort

Suskind desired complete control over who was to be invited.
obviously wanted as many of the exposed and not exposed as
ssible. To meet the needs of Dr. Suskind, J. Yung investigated
ant personnel records, workman's compensation records, plant
dical records to determine who among plant employees, retirees
d terminated employees were exposed to 2,4,5-T. Workman's comp.
ords and medical records high lighted individuals who had a
story of chloracne. Dr. Suskind was provided a list of such
ployees as well as a list of current and retired employees that
y be suitable for use as controls. This list was not
iginated at the Nitro Plant but came from St. Louis (probably
Yung).

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. Suskind trimmed the original list by removing all employees
o's birthday was in 1951 or later. A total of 728 were
vited. A letter written by Dr. Suskind along with a stamped
dressed response card was sent to each employee, retiree, or
rminated employee. There was an area to indicate a preferred
te. Note: In order to promote participation the health study
s scheduled to coincide with a retirees picnic.

dividuals were compensated for their expenses to insure that
ose retirees who lived out of the area would be able to
rticipate.

addition, the health study was made available to all employees
o were not invited and wanted to participate (see plant
wspaper). It is not known personally whether any additional
fort was made by phone etc. to contact any non-responders.
en Dolin may be able to answer in that regard.

ree basic groups were developed: I. Exposed with chloracne.
. Exposed without chloracne. III. Not Exposed. A total of
6 employees or former employees were examined.

Physical Facilities Used

he health study examinations and interviews were conducted at
he Putnam Health Center, a 4 physician clinic located just off
he Winfield exit of I-64. The center contained x-ray equipment
s well a sufficient space to provide examination rooms and
ivacy for individuals to be examined.

Transportation

urly workers were transported to the clinic using a bus rented
om the local transportation authority.

Post Examination Blood Work

number of blood samples were broken during shipping and an
fort to replace those samples was undertaken approx. 1 week
ter the health study was completed. These new samples were
ent to the University of Cincinnati once obtained.

W. R. Brooks

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PARTICIPATION OF EXPOSED GROUPS: SUSKIND HEALTH STUDY

Exposed Active Salaried Personnel - Total 37

	<u>Participated</u>	<u>%</u>
chloracne - 25	25	100
chloracne - 12	9	75

Exposed Retirees Salaried - Total 17

chloracne - 16	13 (2 employees were ill @ time of exam)	81
chloracne - 1	1	100

Exposed Active Hourly Personnel - Total 121

chloracne - 93	57	61
chloracne - 28	12	43

Exposed Hourly Retirees - Total 75

chloracne - 60	28	47
chloracne - 15	6	40

Exposed Terminated

chloracne - 17	17	100
chloracne - 8	8	100

Exposed Active/Retired From Other Monsanto Locations

chloracne - 3	2	67
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Exposed Vested Retirees

chloracne - 4	4	100
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Intermittent" Salaried (Active)

chloracne - 35	33	94
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	<u>Participated</u>	<u>%</u>
<u>Intermittent Retired Salaried</u>		
chloracne - 6	5	83

<u>Intermittently Exposed Hourly Retired</u>		
chloracne - 46	21	46

total percentage for exposed groups -

With chloracne: $146/210 = 69.5\%$ participated
 Without chloracne: $36/64 = 56.2\%$ participated

Intermittently exposed:

$63/87 = 72\%$ participated

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