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Report/Article Title	Manuscript Notes Regarding Herbicide Orange in the Press, June 1978
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Descripton Notes	

27 JUN 1978

27 June 1978
0715 Hrs.

Memo: Phone call From Major Hawksworth
Hq USAF SAFOI To Major Thalken

Subject: Site Reclaimation NCBC Gulfport MS.

Local newspaper or at least an area newspaper asked some questions about site study, Ship Samples, storage of any waste materials From Ship Sampling

Reply: - Major Thalken explained site reclaimation and site monitoring program in detail
- Stated, That To The best of our Knowledge There are no samples of any Type From Project Recer HO or The Ship any place in The State of MS.
- No Storage of any H.O. or H.O. related waste materials, Samples or any materials From The Ship
- Expected Statement on biodegradation progress about Jan or Feb 1979

C E Thalken

CHARLES E. THALKEN, Major, USAF, VC

27 6/78

Problem at Gulfport MS Concerning H.O. is being stirred by a

Mr. Brad Davis From Pass Christian Ms. A retired Chemical/Industrial Chemist that recommended The AF cook the H.O. with NaOH to deactivate it and is angry he couldn't collect a Consultation fee.

He has gone to a young reporter named Mr. Sutherland and about 2 wks ago a very biased, misinformed article appeared in The MS SUN. IT was rebutted a Few days later by the paper with information supplied by SAFOI

Additional ITems

1. Rail cars are gone From NCBC as of mid April - They went to a TVA site at Florence AL
   A Mr Dalmar Army Transportation type That has completely blocked every effort to Finalize the return of the rail cars To DOT or Dept of Army is being Forced into retirement as of 30 June by Gen Rogers USA So problem with rail cars Should end

2. A Bung tightener From Gulfport MS is claiming medicial problems due to H.O. exposure
Problem is a chest ailment
MS Dept of Labor has been given Full EIS report on industrial/occupational exposure. etc by NCBC OI and have not asked for more info.

NCBC would like a copy of the SG report when released.

3. A check with Dr. C.A. "Skip" McDaniels confirmed that NO H.O. Samples From Project Pacer HO are in their lab. The National Monitoring & Residue Analysis Lab. USDA Gulfport MS.

4. Major Tremblay says Ship due out of certification Dry Dock mid-July. Has a contract to Burn PCB's For Japanese.

5. Drums have been sold at J.I. says Maj Tremblay

TODAY SHOW
23 June 1978

Paul Reutershan - STatements From Mr. Reutershan

- Terminal Cancer of the Colon
- 28 years old
- was in Viet Nam 10 years ago as a helicopter ~~pilot~~ Crew member
- Natural Foods Freak
- Skier, sports enthusiast
- Was in perfect health until Oct of 77
- Has been diagnosed with Cancer of the colon
- Due to the report in the media in mid-may he connected his condition with Flying helicopters (For the 20th Engineering Group) Thru clouds of Agent Orange
- 120 veterans in Chicago area claim problems due to H.O. 2 have died.
- He has constant pain
- Is broke with no Veteran, welfare, or employment assistance
- He is convinced of the connection

Ms Jane Pauley - STatements From Ms. Pauley

- Dioxin a defoliant used in Viet Nam
- 71,000 Americans will be diagnosed with Cancer of the colon This year: From the American Cancer Society

On Screen - Ms. Pauley, Mr. Reutershan and a Silm clip of 2 or 3 C-123 Fly a mission.

In order to provide a baseline level for comparison and calculation of degradation rates for all compounds of interest, we calculated the initial soil concentrations of Orange II from application data and then prepared spiked soil samples at these approximate levels of 2,4,5 trichlorophanol. Synthesisk chromatography and mass spectral analysis of 2(2,4,5 trichlorophenoxy) octane further verified this conclusion - see below.

Further study of extracts from the Utah plots on SP-2330 columns revealed that the material originally incorporated in the Utah test plots was not Orange but another formulation known as Orange II. Analysis of this formulation (Orange II) from an archive sample revealed the following composition Table II.

Table II - Composition comparison, Orange I and II

I		II	
53.0%	2,4-D, η-butyl ester	32.8%	2,4,5T isooctyl esters
43.0%	2,4,5-T η-butyl ester	28.9%	2,4-D η-butyl esters
1.1%	2 methoxy - 4,5D η-butyl	16.8%	2,4,5-T η-butyl esters
1.3%	Di-and trichlorophenols	15.3%	2,4-D isooctyl esters
1.6%	other herbicides and esters	0.6%	2,4,5 - Trichlovephenol isoctyl ethers
	2,4,-D & 2,4,5-T acids		
		5.6%	other herbicide acids & testers. 2,4D and 2,4,5T isobutyl esters, MCPA η butylester