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Author

Corporate Author

Report/Article Title Typescript: Agent Orange Project Update Summary,
December 4, 1986

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Year 0000

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Description Notes Lists ongoing health studies and projects from various agencies.

AGENT ORANGE PROJECT UPDATE SUMMARY
December 4, 1986

Information was taken from two sources:

The Domestic Policy Council, Agent Orange Working Group,
Status Report, October, 1985

Collection of Research Projects on Dioxins, Number 160, A
report of the NATO/CCNS pilot study on International
Information Exchange on Dioxins, Spring 1986. (obtained
from Dr. Donald Barnes, EPA)

Total number of projects identified = 245

Number listed as Complete = 87

Number listed as Ongoing = 158

Source Information: AD Status Report = 194

NATO Report = 47

both reports = 4

Number of projects by Agency:

	Total	Complete	Ongoing
CDC	11	2	9
DHHS	3	1	2
DoD	22	7	15
EPA	68	25	43
NCI	7	2	5
NIEHS	83	40	43
NIDSH	8	2	6
USDA	8	5	3
VA	35	3	32

Agent Orange Project List (AO1)

11/27/86

ACC. NO.	Agency	Title	Comment
1	CDC	Agent Orange Study	
2	CDC	Birth defects and military service in Vietnam study	Published Aug 1984
3	CDC	Development of lab methods for TCDD analysis of human adipose tissues and blo	
4	CDC	Epidemiologic study of ground troops exposed to agent orange during the Vietn	AO 85 - NATO - Daniel McGee, C
5	CDC	Measurement of 2,3,7,8-TCDD in adipose tissue in populations in Missouri	NATO - Larry Needham, CDC, Atl
6	CDC	National dioxin study	NATO - Larry Needham, CDC, Atl
7	CDC	Selected cancers study	
8	CDC	Study for body burden for dioxin in the general population	
9	CDC	Study of the distribution of 2,3,7,8-TCDD and related compounds in the human	NATO - Larry Needham, CDC, Atl
10	CDC	Synthesis of polychlorinated dibenzo-p-dioxins and polychlorinated dibenzofur	NATO - Larry L. Needham, CDC
11	CDC	Vietnam Experience Study	
12	DHHS	Detailed current literature reviews with published reports on the state of sc	
13	DHHS	Measurement of TCDD levels in adipose tissue from potentially exposed persons	Why both completed and ongoing
14	DHHS	Reproductive outcomes in persons possibly exposed to 2,3,7,8 RDP	
15	DoD	2,3,7,8-TCDD induced immunosuppression	
16	DoD	? Dioxin workers	ESG
17	DoD	AFI Sarcoma Study	ESG
18	DoD	Air Force Ranch Hand Study	
19	DoD	Air Force soil mapping and groundwater survey at herbicide orange sites	NATO - Ken Wade, ESG Inc, Ida
20	DoD	Armed Forces Institute of Pathology Agent Orange registry of Vietnam veteran	
21	DoD	CDC selected cancers	ESG
22	DoD	Degradation of chlorinated xenobiotic compounds by anaerobes	NATO - Lt Rhodes, Tyndall AFB,
23	DoD	Dioxin plan for monitoring Johnston Atoll	NATO - Linda Anderson, CDC, At
24	DoD	Environmental chemistry of herbicide Orange	NATO - Capt Stoddart, Tyndall
25	DoD	Environmental chemistry of herbicide orange and TCDD	
26	DoD	Epidemiologic investigation of health effects in Air Force personnel followin	Baseline in 1983
27	DoD	Fate of TCDD, 2,4-D and 2,4,5-T at selected locations contaminated with herbi	NATO - HQ AFESC/ROV, Tyndall A
28	DoD	Herbicide Orange site treatment and environmental monitoring	NATO - Maj Tom Doane, Brooks A
29	DoD	Herbicide Orange soil mapping and groundwater survey	NATO - Lt Rhodes, Tyndall AFB,
30	DoD	Mechanism of cellular membrane effects of TCDD	
31	DoD	Residual levels of 2,3,7,8-TCDD near herbicide Orange storage and loading are	NATO - Capt Stoddart, Tyndall
32	DoD	Services herbs tapes	ESG
33	DoD	Site demonstration of full-scale rotary kiln incinerator (transportable)	NATO - Capt Terry Stoddart, Ty
34	DoD	Site demonstrations: environmental restoration technologies	NATO - Capt Stoddart, Tyndall
35	DoD	VA chloracne	ESG
36	DoD	VA Soft Tissue Sarcoma	Environmental Support Group
37	EPA	Analysis of background levels of TCDD in the US environment	
38	EPA	Analysis of environmental samples for PCDDs and PCDFs	
39	EPA	Analytical methods development of monoclonal antibodies	
40	EPA	Assess of PCB transformer/cap fires	
41	EPA	Assessment of exposure to TCDD from contaminated media	
42	EPA	Assessment of methods used for analysis of human adipose tissue	
43	EPA	Assessment of PCB transformer/capacitor fires	NATO - Paul des Rosiers, EPA,
44	EPA	Bacterial decomposition of TCDD	
45	EPA	Beef fat phase II	
46	EPA	Behavior of TCDD in blood	
47	EPA	Bioavailability of TCDD from contaminated soils	NATO - Michael Gallo, U New Je
48	EPA	Bioavailability to animals	
49	EPA	Biodeg and carbon adsorption of TCDD	
50	EPA	Causal structure activity methods applied to the assessment of the toxicity o	NATO - P. Politzer, U New Orle

51	EPA	Clearance of TCDD from dose organisms	
52	EPA	Development of mass spectrometric and fourier transform infrared spectroscopi	NATO - Wayne Sovocool, EPA, La
53	EPA	Dioxin bioavailability - food chain	NATO - Phillip Cook, EPA, Dulu
54	EPA	Dioxin photolysis: Soil surfaces	NATO - Glenn Miller, U Nevada,
55	EPA	Embryotoxicity and pharmacokinetics fo dioxin in Marmosets and monkeys	NATO - Diether Neubert, Berlin
56	EPA	Evaluation municipal waste combustors	1st table ongoing; 2nd table c
57	EPA	Evaluation of combustion sources	
58	EPA	Evaluation of large scale combustion sources	1st table ongoing; 2nd table c
59	EPA	Evaluation of TCDD destruction technologies	
60	EPA	Evaluation of the EPA mobile incineration system for dioxin-contaminated liqu	NATO - Frank Freestone, EPA, E
61	EPA	Evaluation of the white rot fungus, Phanerochaete chrososporium, for biodegra	NATO - Pat Sferra, EPA, Cincin
62	EPA	Exposure assessment methods for 2,3,7,8-TCDD and other dioxins	NATO - John Schaum, EPA, Washi
63	EPA	Feasibility of utilizing mines as repositories for dioxin-contaminated soils	NATO - Pat Esposito, PEI Assoc
64	EPA	Field test of KOH/PEG reagent to destroy 2,3,7,8-TCDD at a military site	NATO - Charles Rogers, EPA, Ci
65	EPA	Half-life of chemicals in soil	NATO - Charles Nauman, EPA, Wa
66	EPA	Health assessment of PCDFs	
67	EPA	Health assessment of PCDDs	
68	EPA	Herbicide Orange incinerator studies	NATO - Capt Stoddart, Tyndall
69	EPA	In-situ stabilization techniques for dioxin-contaminated soils	NATO - Don Sanning, EPA, Cinci
70	EPA	Invest. of in situ stabil. technology	
71	EPA	Investigation of bioavailability to fresh water fish of TCDDs in fly ash	2nd table indicated study to b
72	EPA	LA crayfish/catfish study	
73	EPA	Methods analys. envir. of TCDD by Mass Spect.	
74	EPA	Methods for assessing exposure to dioxin related compounds other than 2,3,7,8	NATO - Les Ungers, PEI Assoc.,
75	EPA	Microb. dissim. of 2,3,7,8-TCDD	
76	EPA	Mississippi catfish study	
77	EPA	Movement of TCDD in the environment	
78	EPA	National pesticide monitoring project of human adipose tissue	Annual reports ; Nebraska stud
79	EPA	Northwest human milk study	
80	EPA	Oregon monkey study	
81	EPA	Performance of RCRA Method 8280 for the analysis of dibenzodioxins and dibenz	NATO - John Ballard, Lockheed
82	EPA	Pharmacokinetics of 2,3,7,8-TCDD in monkeys	NATO - Margaret Chu, EPA, Wash
83	EPA	Photochemistry	
84	EPA	Plant uptake and metabolism of polychlorinated dibenzodioxin isomers	NATO - John Coates, Midwest R
85	EPA	Plant uptake of dioxin	NATO - Craig McFarlane, EPA, C
86	EPA	Potential for 2,3,7,8-TCDD transport in soils using both static and dynamic s	NATO - Richard Walters, U Mary
87	EPA	Preparation of dioxin analytical reference standards for lab analysis of huma	NATO - Edward J. Kantor, EPA,
88	EPA	Quality assur. support	
89	EPA	Region X deer and elk study	
90	EPA	Report of assessment of a field investigation of six-year spontaneous abortio	Published
91	EPA	Risk assessment approach for 2,3,7,8-TCDD and other dioxins	NATO - Charles Ris, EPA, Washi
92	EPA	Round robin survey-methods dioxin analysis in adipose	
93	EPA	Shallow mines as repositories for dioxin-contaminated soils	NATO - Janet Houthoofd, EPA, C
94	EPA	Short-term bioassays for polychlorinated dibenzo-p-dioxins	NATO - Richard Phillips, EPA,
95	EPA	Sorption/desorption characteristics of 2,3,7,8-TCDD in contaminated soils	NATO - Michael Roulier, EPA, C
96	EPA	TCDD vapor-phase photolysis	NATO - John Schaum, EPA, Washi
97	EPA	Uptake of 2,3,7,8-tetrachlorodibenzo-p-dioxin by dairy cows	NATO - D.H. Jones, Texas A&M
98	EPA	Uptake of dioxins by plants and large animals	
99	EPA	Uptake of dioxins by fish	
100	EPA	UV photolysis/alkali polyethylene glycolates for the chemical detoxification	NATO - Charles Rogers, EPA, Ci
101	EPA	UV photolysis/KPEG chemical destruction of chlorinated dioxins and dibenzofur	NATO - R.L. Peterson, Galson R
102	EPA	Vapor pressure and partitioning behavior of 2,3,7,8-substituted dioxins and f	NATO - Gregory Kew, EPA, Washi
103	EPA	Wisconsin monkey study	
104	EPA	Workshop report on bioavailability	
105	NCI	Case control study of lymphoma and soft tissue sarcoma	
106	NCI	Case-control study of soft tissue sarcomas and lymphomas and their relationsh	
107	NCI	Control study of lymphoma and soft tissue sarcoma	
108	NCI	Lung cancer - structural pest control workers	

109	NCI	NCI pesticide workers	
110	NCI	Study of mortality among pesticide applicators from Florida	Publication in press
111	NCI	Study of soft tissue sarcomas and non-Hodgkins lymphoma in thirteen counties	
112	NIHNS	1,2,4,6,8,9-Hexachlorodibenzofuran disposition	Disposition studies completed
113	NIHNS	2,3,7,8-TCDD disposition in rats, mice, and guinea pigs	
114	NIHNS	2,3,7,8-tetrachlorodibenzofuran disposition in rats, mice, guinea pigs	Disposition studies completed
115	NIHNS	2,4,5-T : Salmonella	
116	NIHNS	2,4,5-T cytogenetics	
117	NIHNS	2,4,5-T Drosophila	
118	NIHNS	2,4,5-T N-butyl ester: salmonella	
119	NIHNS	2,4-D : Salmonella	
120	NIHNS	2,4-D cytogenetics	
121	NIHNS	2,4-D dimethylamine salt: Salmonella	
122	NIHNS	2,4-D Drosophila	
123	NIHNS	2,4-D N-butyl ester: salmonella	
124	NIHNS	2,7-Dichlorodibenzo-p-dioxin: salmonella	
125	NIHNS	Alter. of cell-surface membrane for DI Toxicity	
126	NIHNS	Arachidonate products in dioxin and PCB toxicity	
127	NIHNS	Atomic emission spectroscopy for dioxin trace analysis	
128	NIHNS	Bioassay of a mixture of 1,2,3,6,7,8- ? and a mixture of 1,2,3,6,7,8-hexachlo	Is the title wrong of what?
129	NIHNS	Bioassay of octachlorodibenzo-p-dioxin	
130	NIHNS	Bioassay of tetrachloro-dibenzo-p-dioxin	
131	NIHNS	Bioavailability of TCDD (rat) dermal and oral	
132	NIHNS	Carcinogenesis bioassay of 2,3,7,8-tetrachlorodibenzo-p-dioxin in Swiss Webst	
133	NIHNS	Carcinogenesis bioassay of 2,3,7,8-tetrachlorodibenzo-p-dioxin in Osborne-Mend	
134	NIHNS	Comparative species evaluation of chemical disposition and metabolism of 2,3,	
135	NIHNS	Control of gene expression by dioxin	
136	NIHNS	DED-WEED, LV-69: Salmonella	
137	NIHNS	Di-Epith cell interaction, mechanism and assay	
138	NIHNS	Dibenzofuran: cytogenetics	
139	NIHNS	Dibenzofuran: Salmonella	
140	NIHNS	Dioxin - atomic emission spectrometry for dioxin trace analysis (detection)	
141	NIHNS	Dioxin - toxic halogenated wastes: in vitro bioassay development	
142	NIHNS	Dioxin chlorinated dibenzo-p-dioxins; mechanisms of toxicity	
143	NIHNS	Dioxin environmental pollutants and toxicology of the liver	
144	NIHNS	Dioxin environmental health sciences center grant clinical studies	
145	NIHNS	Dioxin mechanism(s) for toxicity of chlorinated dibenzodioxins (toxicology)	
146	NIHNS	Dioxin molecular toxicology of TCDD	
147	NIHNS	Dioxin NMR study	
148	NIHNS	Dioxin xenobiotic induction of pleiotropic responses in liver	
149	NIHNS	Disposition of TCDD fetal distribution in mice	
150	NIHNS	Effects of Agent Orange components on male fertility and reproduction	
151	NIHNS	Effects on intestinal cells	
152	NIHNS	Effects on intestinal cells UNC-CU grad student	
153	NIHNS	Effects on nutrient assimilation	
154	NIHNS	Environmental health science center grant	
155	NIHNS	Establishment and maintenance of an international register of persons exposed	
156	NIHNS	Hexachloro dibenzo dioxin disposition	
157	NIHNS	Immunosuppression by in utero exposure	
158	NIHNS	Implications of low level exposure of dioxins	
159	NIHNS	Intl res/exposure to phenoxy acid herbicides	
160	NIHNS	Lipid assimilation NRSA	What is NRSA ?
161	NIHNS	Lipid assimilation NRSA	What is NRSA?
162	NIHNS	Matrix effect and sub parts-per-billion quantitative analysis of TCDD by mass	
163	NIHNS	Mechanism of immunosuppression	
164	NIHNS	Mechanisms of dioxin toxicity	
165	NIHNS	Mechanisms of toxicity of the chlorinated-p-dioxins	1st Table ongoing; 2nd table c

166	NIEHS	Membrane / LP receptor NRSA	What is NRSA?
167	NIEHS	Membrane / LP receptor NRSA	
168	NIEHS	Methods for the measurement of dioxins and furans in human adipose tissue	
169	NIEHS	Molecular basis of dioxin toxicity	Theoretical biochemical study
170	NIEHS	Molecular modeling of dioxin binding proteins	1st table ongoing; 2nd table c
171	NIEHS	Molecular, biochemical actions of chlorinated-p-dioxins	
172	NIEHS	Mutagenicity studies of TCDD, 2,4-D, 2,4,5-T and esters of 2,4-D and 2,4,5-T	
173	NIEHS	Neurotoxicity of 2,4-D in rodents	
174	NIEHS	Occupational & environmental health center grant	
175	NIEHS	Occupational and environmental health center grant (toxicology)	
176	NIEHS	Pentachlor & Dioxin contam. in PCP	
177	NIEHS	Pest. & Trans. across bil. lip. mem.	How can it be marked complete
178	NIEHS	Pesticides and transport across bilayer lipid membranes (toxicology)	
179	NIEHS	Pre-dioxin in PCP biochemistry, effect, and toxicity	
180	NIEHS	Quantitative analysis of TCDD by mass spectroscopy	
181	NIEHS	Research toward understanding the molecular level mechanisms of toxicity of T	
182	NIEHS	Role of TCDD receptor in tumor promotion	
183	NIEHS	Structure-toxicity relationships	Would like to see this report!
184	NIEHS	Studies of the chemical disposition and metabolism of octachlorodibenzodioxin	
185	NIEHS	Synthesis of 6 chlorodibenzo-p-dioxins	
186	NIEHS	Synthesis of selected chlorinated dibenzo-p-dioxins and related compounds as	
187	NIEHS	TCDD effects on steroid hormone synthesis	
188	NIEHS	Teratogenicity of TCDD - Cleft palata induction (mice)	
189	NIEHS	Theoretical modeling of dioxin receptor	
190	NIEHS	Toxic actions of tetrachloroazobenzene dioxins	
191	NIEHS	Toxic and anorectic effects of TCDD	
192	NIEHS	Toxic his wst in vitro bioassay development	
193	NIEHS	Toxicant Deres Endocrine Heme Biosynthesis	
194	NIEHS	Xenobiotic induction of pleiotropic responses in liver	
195	NIOSH	Health hazard evaluation and technical assistance involving PCBs, dioxins, et	NATO - Jay Bainbridge, NIOSH,
196	NIOSH	Investigation of leukemia cluster in Madison County, Kentucky allegedly assoc	Published NTIS 1984
197	NIOSH	NIOSH dioxin registry and cohort mortality study	AO 85 - 1st table completed in
198	NIOSH	NIOSH dioxin registry, morbidity and reproductive outcome study	
199	NIOSH	NIOSH industrial morabidity study	
200	NIOSH	NJ/Missouri plant worker and worker's spouse reproductive outcome study	
201	NIOSH	Soft tissue sarcoma investigation	Published Scan J Work Environ
202	NIOSH	Study of persistent health effects in chemical herbicide workers and in commu	NATO - Marie Haring Sweeney, N
203	USDA	A case control study of the relationship between exposure to 2,4-D and sponta	
204	USDA	Biological and economic assessment of 2,4,5-T and Silves	1st table has project ongoing;
205	USDA	Exposure measurements of mixers, loaders and applicators of 2,4-D on wheat	
206	USDA	Exposure of forest workers to ground applications of 2,4-D	
207	USDA	Photolysis of 2,4,5-T	
208	USDA	Survey of phenoxy herbicide use by agricultural commodity	
209	USDA	Survey of phenoxy herbicide literature	Annual bibliographies publishe
210	USDA	TCDD residue monitoring in deer	Report in preparation
211	VA	A review of the soft tissue sarcoma cases in patient treatment file for Vietn	
212	VA	AFIP case control study of soft tissue sarcoma	AO 85 -> 1st table end date of
213	VA	Agent Orange register review	
214	VA	Behavioral toxicity of an Agent Orange component 2,4-D	Perhaps completed in 1984?
215	VA	Case control study of lymphoma	
216	VA	Chronic effects of herbicide exposure on testicular function in Vietnam veter	
217	VA	Cohort mortality study of Vietnam veterans	
218	VA	Effect of TCDD on lipid metabolism	Perhaps completed in 1983?
219	VA	Effects of 2,3,7,8-tetrachlorodibenzodioxins on hepatobiliary function in ani	End in 86 or 89?
220	VA	Effects of Agent Orange on sleep	End in 86 or 89?
221	VA	Effects of low dose TCDD on mammalian chromosomes and liver cells	End in 86 or 89?
222	VA	Fat tissue analysis for 2,3,7,8-TCDD (San Antonio)	

223	VA	Fat tissue analysis for 2,3,7,8-TCDD (Dallas)	
224	VA	Female veteran survey	
225	VA	Mechanism of porphyria caused by TCDD and related chemicals	End in 86 or 89?
226	VA	Mechanism of TCDD absorption and toxicity on lipid and lipoprotein metabolism	End in 86 or 89?
227	VA	Mechanisms of dioxin induced toxicity using the chloracne model - Phase II	End in 86 or 89 ?
228	VA	Mechanisms of dioxin induced toxicity using the chloracne model - Phase I	Publication in press
229	VA	Metabolism of the herbicides present in Agent Orange and Agent White	End in 86 or 89?
230	VA	Monographs	
231	VA	Neuromuscular toxicity of Agent Orange	End in 86 or 89?
232	VA	PTF/Vietnam; service indicator	
233	VA	Retrospective study of dioxins and furans in adipose tissue of Vietnam era ve	AO 85 -> 1st table pending to
234	VA	Review of literature on herbicides, including phenoxy herbicides and associat	Published in 1981; annual upda
235	VA	Review of soft tissue	
236	VA	Sarcoma study in patient treatment file, Agent Orange registry examinations	
237	VA	Survey of patient treatment file for Vietnam veteran in-patient care	Initial 1983 survey
238	VA	TCDD exposed rhesus monkeys: effects on behavior and stress hormones	End in 86 or 89?
239	VA	TCDD in body fat of Vietnam veterans and other men	Published
240	VA	Uptake and metabolism studies and pharmacology and toxicology	
241	VA	Urinary 6-hydroxy cortisol: physiological and pharmacologic studies (includin	Perhaps completed in 1982?
242	VA	VA patient treatment file review	
243	VA	VA/EPA adipose tissue study	
244	VA	Vietnam veteran identical twin studies	Under review by OTA & ADWG - W
245	VA	Vietnam veteran mortality studies	AO 85 -> 1st table end date of

CABINET COUNCIL ON DOMESTIC POLICY
AGENT ORANGE WORKING GROUP

FEDERALLY SPONSORED HUMAN STUDIES RELATED TO AGENT ORANGE

AGENCY	TYPE OF STUDY					STATUS		
	<u>Mortality</u>	<u>Morbidity</u>	<u>Cancer</u>	<u>Repro- duction</u>	<u>Analytical</u>	<u>Completed</u>	<u>Ongoing</u>	<u>Estimated Completion Date</u>
<u>DEPARTMENT OF HEALTH AND HUMAN SERVICES</u>								
NIOSH Investigation of Leukemia Cluster in Madison County, Kentucky Allegedly Associated with Pentachlorophenol Treated Ammunition Boxes			X			X		Published NTIS 1984
NIOSH Dioxin Registry	X		X				X	Late 1985
NIOSH Soft Tissue Sarcoma ^{el} Investigation			X					Published Scan. J. Work Environ Health 1984
NIOSH NJ/Missouri plant worker and worker's spouse reproductive outcome study	X	X	X	X			X (begins 1985)	
Reproductive outcomes in persons possibly exposed to 2,3,7,8 RDP				X			X	
Measurement of TCDD levels in adipose tissue from poten- tially exposed persons in Missouri.			X	X	X	X	X	

TABLE 1: The Eleven Major Epidemiological Studies of U.S. Vietnam Veterans, Agent Orange and TCDD Exposure, and Vietnam Experience Currently Ongoing or Completed in the United States (Continued).

Title	Responsible Federal Agency and Study Location	Type of Study	Total Study Population Size	Completion Date	
236	Vietnam Experience Epidemiologic Study	Centers for Disease Control, Atlanta Georgia	Matched Cohort Morbidity Study of Vietnam and non-Vietnam Veterans	12,000	1987
28	VA/AFIP Soft Tissue Sarcoma Study	Veterans Administration Agent Orange Projects Office, Washington, D.C.	Case-Control Study of Soft Tissue Sarcoma	250 cases 750 controls	Late 1986
2	NIOSH Dioxin Registry	National Institute for Occupational Safety and Health, Cincinnati, Ohio	Mortality Study of Workers at 12 Production Sites Where Dioxin Containing Products Were Manufactured	6,000	1986
242	NIOSH Industrial Morbidity Study	National Institute for Occupational Safety and Health, Cincinnati, Ohio	Morbidity Study of Workers at 2 Production Sites Where Dioxin Containing Products Were Manufactured and a Comparison Group	800	1988
39	NCI Kansas Soft Tissue Sarcoma Study	National Cancer Institute, Bethesda, Maryland	Case-Control of Soft Tissue Sarcoma	100 cases 300 controls	1986

HEALTH AND HUMAN SERVICES/NIHES LAB/LITERATURE STUDIES

STUDY EFFORT	TYPE OF STUDY		STATUS		STUDY PERIOD	TOTAL \$ 1981-87
	ANIMAL	ENVIRONMENTAL ANALYTICAL	LITERATURE	COMPLETED		
TER. OF TCDD CLFT. PAL. (MOC. MICE) 60 ✓				X		400,000
DISPOSIT OF TCDD FTL. DIST. IN MICE 61 ✓				X		50,000
PRE-DIOX. IN PCP BIOCH. EF. & TOX 208				X		172,000
ATMC. EN. SPCT. FOR DIOXIN TR. ANLYS. 209				X		344,000
SYNTH. OF 3 CHLOR DIBENZO-P-DIOX 210			X		1992	61,000
MOLECULAR BASIS OF DIOXIN TOXICITY 67 ✓			X		1983-1985	120,000
ROLE OF TETRACHLORO- DIBENZO-P-DIOX 211				X		0
ROLE OF TCDD RECEPTOR IN TUMOR PROMO 211				X	1985-1989	400,000
TOXIC AND ANOESTIC EFFECTS OF TCDD 212				X	1985-1987	456,000
MECHANISMS OF TCDD TOXICITY 59 ✓				X	1985-1987	700,000
MECHANISMS OF IMMUNOSUPPRESSION 213				X	1984-1985	130,000
BIOASSAY OF TETRACHLORO-DIBENZO- P-DIOXIN 214				X	1990	0
QUAN. ANAL. OF TCDD BY MASS SPECT. 215			X		1991	25,000
TOC HLS NST IN VTR. BIASY. OVLAT. 216				X	1982-1984	191,000
MECHANISMS OF TOXICITY OF DIOXIN 217				X	1985-1988	257,000
THEORETICAL ROLE OF A DIOXIN RECEPTOR 65 ✓			X		1983-1984	25,000
MECHANISMS OF TOXICITY OF DIOXIN 59 ✓				X		

**FORMAT FOR CCMS PILOT PROJECT ON INTERNATIONAL INFORMATION EXCHANGE
ON DIOXINS AND RELATED COMPOUNDS**

WORKING GROUP: A

COUNTRY OF ORIGIN: USA

TITLE OF PROJECT OR ACTIVITY: VA/AFIP Soft Tissue Sarcoma Study

**NAME AND ADDRESS OF PRINCIPAL INVESTIGATOR:
(INCLUDING TELEPHONE NUMBER)**

(202)-576-0366

Han K. Kang, Dr. P. H.
Veterans Administration
Office of Environmental Epidemiology
AFIP
Washington, D.C. 20306-6000

**NAME AND ADDRESS OF SUPPORTING AGENCY:
(INCLUDING TELEPHONE NUMBER)**

(202)-389-3432 or 3886

Veterans Administration
Agent Orange Projects Office (10X2)
810 Vermont Avenue, N.W.
Washington, D.C. 20420

IDENTIFYING NUMBER: _____ **STARTING DATE:** 7/18/83 **COMPLETION DATE:** 6/30/85

GOAL/RATIONALE/SCOPE To determine the relationship of Vietnam service, probable Agent Orange exposure and other factors to the risk of developing soft tissue sarcoma. The study is being conducted in two phases. Phase I will investigate whether service in Vietnam during 1965-71 increased the risk of developing STS. The histopathology and anatomic site of STS will be compared among Vietnam veterans. Phase II will investigate other host and environmental risk factors for the development of STS. Information on environmental risk factors will be obtained by interviews and individual analysis.

ESTIMATED RESOURCES (IN UNITED STATES DOLLARS TO NEAREST \$1,000.)

YEAR	1985	1986	1987
FUNDING	\$ 182,000	\$ 73,000	\$

MAJOR OUTPUTS: (e.g., technical reports, other publications, patents)

A technical report will be prepared and a manuscript will be submitted to a scientific journal for publication.

If other countries are interested, would it be possible to augment your present project?

YES NO

Do you have access to a computer network? YES NO

Network Name NIH DCRT Host Name NIH User Name H. KANG

AGENT ORANGE PROJECT UPDATE

AGENCY: VA

DATE: Dec 4, 1986

TITLE: VA/AFIP Soft Tissue Sarcoma Study

PRINCIPAL INVESTIGATOR: Han K. Kang, PhD

DIVISION/DEPARTMENT: Office of Environmental Epidemiology
ADDRESS: AFIP, Veterans Administration
Washington, D.C. 20306-6000
TELEPHONE NUMBER: 202/576-0366

PROJECT IDENTIFICATION NUMBER:

TEST CHEMICAL:

OBJECTIVE: To determine the relationship of Vietnam service, probable Agent Orange exposure and other factors to the risk of developing soft tissue sarcoma.

→ EXECUTIVE SUMMARY:

APPROACH: The study is being conducted in two phases. Phase I will investigate whether service in Vietnam during 1965-71 increased the risk of developing STS. The histopathology and anatomic site of STS will be compared among Vietnam veterans. Phase II will investigate other host and environmental risk factors for the development of STS. Information on environmental risk factors will be obtained by interviews and individual analysis.

→ FINDINGS/STATUS:

SIGNIFICANCE:

→ PUBLICATIONS:

START DATE: July 1983

COMPLETION DATE: July 1986

LEVEL OF EFFORT (Total Project)

TO DATE:

PROJECTED TO COMPLETE PROJECT:

FTEs:

FUNDING: \$ 255,000

\$0

SOURCE OF FUNDING: Veterans Administration, Washington