Item ID Number 04238 ☐ **Not Scanned**

Author

Corporate Author

Report/Article Title Tables: Analytical Data for Samples from Gulfport, MS Test Site

Journal/Book Title

Year 0000

Month/Day

Color ☐

Number of Images 24

Descripton Notes

ANALYTICAL DATA FOR SAMPLES FROM GULFPORT, MISS. TEST SITE.

Date Rcvd.	Sample Identification	Etched #	WSU #	TCDD Found	Min Detectable Concentration
20 Nov 75	Water #1		1-101	0	10 picograms/ml
"	Water #2		1-102	46 picograms/ml[a]	"
"	Water #3		1-103	0	"
"	Water #4		1-104	0	"
	Ambient Air				
12 Nov 75	APϕ1Nϕ8W		1-137	contaminated with cap liner	
"	APϕ2Nϕ8W		1-138	0	0.0003 $\mu g/m^3$
"	APϕ3Nϕ8W		1-139	0	0.0003 $\mu g/m^3$
"	APϕ4Nϕ8W		1-140	0	0.0003 $\mu g/m^3$
"	AOϕ3Nϕ8W		1-141	0.0005 $\mu g/m^3$	0.0003 $\mu g/m^3$
	Ambient Air				
10 Feb 76	AP09F09L02W	118	1-260	0	0.0003 $\mu g/m^3$

TABLE XV. (cont'd.)

ANALYTICAL DATA FOR SAMPLES FROM GULFPORT, MISS. TEST SITE.

ate Rcvd.	Sample Identification	Etched #	WSU #	TCDD Found	Min Detectable Concentration
	Environmental Water				
3 Mar 76	EW04F11K	127	1-412	0	10 picograms/ml
"	EW11F11K	131	1-413	0	10 picograms/ml
"	EW27J11K	228	1-414	0	10 picograms/ml
	Recovered Acetone				
24 Mar 76	XC19F09L02W	142	1-418	0.4 µg/g (herbicide fraction)[c]	0.03 µg/g
				3.39 ng/ml (acetone solution as received)[c]	c
	Environmental Water				
26 Apr 76	Water Out Flow at Base Perimeter (4/21/76)		1-425	0	10 picograms/ml
"	Water Out Flow at Base Perimeter (4/21/76)		1-426	0	10 picograms/ml

ANALYTICAL DATA FOR SAMPLES FROM GULFPORT, MISS. TEST SITE.

Date Rcvd.	Sample Identification	Etched #	WSU #	TCDD Found	Min Detectable Concentration
26 Apr 76	Water from Drainage Ditch in Orange Storage Area (4/21/76)		1-427	0	10 picograms/ml
"	Water from Drainage Ditch in Orange Storage Area (4/21/76)		1-428	0	10 picograms/ml
"	Water from Back Bay of Biloxi (4/21/76)		1-429	0	10 picograms/ml
"	Water from Back Bay of Biloxi (4/21/76)		1-430	0	10 picograms/ml

[a] Sample is being rerun to confirm this result.

[b] Sample vessel had leaked in shipment; large loss of sample was evident.

[c] 250 ml. of this sample were concentrated to constant volume. The residue consisted of two layers. Upper layer was clear, colorless, non-flammable, miscible with water, and appears to be water. Volume of upper layer was 0.3 ml. Bottom layer was a tan colored, viscous liquid, volume 2.1 ml and density ∿ 1 g/ml. A fingerprint of the bottom layer established that it is Dow Herbicide. From the weights indicated, it is calculated that the acetone received contains 0.8% Herbicide Orange. The TCDD level in the herbicide fraction was determined to be 0.4 μg. TCDD/g. herbicide. The TCDD concentration in the acetone solution as received is therefore 3.39 ng/ml.

TABLE XIX.

.YTICAL RESULTS FOR ENV.RO.MENTAL WATER SAMPLES RECEIVED FROM GULFPORT, MISS TEST SITE

cvd.	Sample Identification	Etched #	WSU #	TCDD Found	Min. Detectable Concentration (picograms/ml of water)
e 76	EW-13E10-W	272	1-459	0	40
e 76	EW-10E11-W	273	1-460	0	40
e 76	EW-14J-9W[a]	311	1-482	0	20
e 76	EW-15J-8W	312	1-483	0	20
e 76	EW-16J-9W[b]	313	-	-	-
e 76	EW-17J-9-W[a]	384	1-529	0	20
e 76	EW-18J-10-W[a]	385	1-530	0	20
e 76	EW-19J-9-W[a]	386	1-531	0	20
e 76	EW-20E-10-W[a]	387	1-532	0	20
e 76	EW-21E-9-W[a]	424	1-597	0	20
e 76	EW-22E-10-W	425	1-598	0	20

[a] Sample container cap was loose when container was received and some sample was lost during shipment.

[b] Sample jar was broken during shipment and contents were lost.

Table III

ANALYTICAL RESULTS FOR POTABLE WATER SAMPLES FROM GULFPORT, MISS. - TCDD

Date Received	Sample Identification	WSU #	TCDD Found (μg/ml)	Minimum Detectable Quantity (μg/ml)
11/5/76	NC 6293 PW 01	1-714	0	0.00001
11/5/76	NC 6293 PW 02	1-715	0	0.00001
11/5/76	NC 6293 PW 03	1-716	0	0.00001
11/5/76	NC 6293 PW 04	1-717*	0	0.00001
11/5/76	NC 6293 PW 05	1-718*	0	0.00001
11/5/76	NC 6293 PW 06	1-719	0	0.00001
11/5/76	NC 6293 PW 07	1-720	0	0.00001
11/5/76	NC 6293 PW 08	1-721	0	0.00001
11/5/76	NC 6293 PW 09	1-722	0	0.00001
11/5/76	NC 6293 PW 10	1-723	0	0.00001
11/5/76	NC 6293 PW 11	1-724	0	0.00001
11/5/76	NC 6293 PW 12	1-725	0	0.00001
11/5/76	NC 6293 PW 13	1-726	0	0.00001

Table III (Cont'd)

ANALYTICAL RESULTS FOR POTABLE WATER SAMPLES FROM GULFPORT, MISS. - TCDD

Date Received	Sample Identification	WSU #	TCDD Found (µg/ml)	Minimum Detectable Quantity (µg/ml)
11/5/76	NC 6293 PW 14	1-727	0	0.00001
11/5/76	NC 6293 PW 15	1-728*	0	0.00001
11/5/76	NC 6293 PW 16	1-729	0	0.00001
11/5/76	NC 6293 PW 17	1-730*	0	0.00001
11/5/76	NC 6293 PW 18	1-731	0	0.00001
11/5/76	NC 6293 PW 19	1-732	0	0.00001
11/5/76	NC 6293 PW 20	1-733	0	0.00001

* Indicates sample leaked in shipment

Table V

ANALYTICAL RESULTS FOR POTABLE WATER SAMPLES FROM GULFPORT, MISS. - BUTYL ESTERS OF 2,4-D and 2,4,5-T

Date Received	Sample Identification	WSU #	Butyl Ester of 2,4-D (µg/ml)	Butyl Ester of 2,4,5-T (µg/ml)	Minimum Detectable Quantity (µg/ml)
11/5/76	NC 6293 PW 01	1-714	0	0	0.0015
11/5/76	NC 6293 PW 02	1-715	0	0	0.0010
11/5/76	NC 6293 PW 03	1-716	0	0	0.0010
11/5/76	NC 6293 PW 04	1-717*	0	0	0.0010
11/5/76	NC 6293 PW 05	1-718*	0	0	0.0010
11/5/76	NC 6293 PW 06	1-719	0	0	0.0010
11/5/76	NC 6293 PW 07	1-720	0	0	0.0015
11/5/76	NC 6293 PW 08	1-721	0	0	0.0010
11/5/76	NC 6293 PW 09	1-722	0	0	0.0010
11/5/76	NC 6293 PW 10	1-723	0	0	0.0020
11/5/76	NC 6293 PW 11	1-724	0	0	0.0010
11/5/76	NC 6293 PW 12	1-725	0	0	0.0010

Table V (Cont'd)

ANALYTICAL RESULTS FOR POTABLE WATER SAMPLES FROM GULFPORT, MISS. -

BUTYL ESTERS OF 2,4-D AND 2,4,5-T

Date Received	Sample Identification	WSU #	Butyl Ester of 2,4-D (µg/ml)	Butyl Ester of 2,4,5-T (µg/ml)	Minimum Detectable Quantity (µg/ml)
11/5/76	NC 6293 PW 13	1-726	0	0	0.0015
11/5/76	NC 6293 PW 14	1-727	0	0	0.0015
11/5/76	NC 6293 PW 15	1-728*	0	0	0.0015
11/5/76	NC 6293 PW 16	1-729	0	0	0.0020
11/5/76	NC 6293 PW 17	1-730*	0	0	0.0010
11/5/76	NC 6293 PW 18	1-731	0	0	0.0050
11/5/76	NC 6293 PW 19	1-732	0	0	0.0050
11/5/76	NC 6293 PW 20	1-733	0	0	0.0050

* Indicates sample leaked in shipment.

Table VII

ANALYTICAL RESULTS FOR POTABLE WATER SAMPLES FROM GULFPORT, MISS. - 2,4-D AND 2,4,5-T

Date Received	Sample Identification	WSU #	2,4-D (µg/ml)	2,4,5-T (µg/ml)	Minimum Detectable Quantity (µg/ml)
11/5/76	NC 6293 PW 01	1-714	0	0	0.0010
11/5/76	NC 6293 PW 02	1-715	0	0	0.0020
11/5/76	NC 6293 PW 03	1-716	0	0	0.0050
11/5/76	NC 6293 PW 04	1-717*	0	0	0.0020
11/5/76	NC 6293 PW 05	1-718*	0	0	0.0020
11/5/76	NC 6293 PW 06	1-719	0	0	0.0020
11/5/76	NC 6293 PW 07	1-720	0	0	0.0050
11/5/76	NC 6293 PW 08	1-721	0	0	0.0020
11/5/76	NC 6293 PW 09	1-722	0	0	0.0020
11/5/76	NC 6293 PW 10	1-723	0	0	0.0020
11/5/76	NC 6293 PW 11	1-724	0	0	0.0020
11/5/76	NC 6293 PW 12	1-725	0	0	0.0020

Table VII (Cont'd)

ANALYTICAL RESULTS FOR POTABLE WATER SAMPLES FROM GULFPORT, MISS. - 2,4-D AND 2,4,5-T

Date Received	Sample Identification	WSU #	2,4-D (µg/ml)	2,4,5-T (µg/ml)	Minimum Detectable Quantity (µg/ml)
11/5/76	NC 6293 PW 13	1-726	0	0	0.0050
11/5/76	NC 6293 PW 14	1-727	0	0	0.0050
11/5/76	NC 6293 PW 15	1-728*	0	0	0.0020
11/5/76	NC 6293 PW 16	1-729	0	0	0.0050
11/5/76	NC 6293 PW 17	1-730*	0	0	0.0020
11/5/76	NC 6293 PW 18	1-731	0	0	0.0050
11/5/76	NC 6293 PW 19	1-732	0	0	0.0050
11/5/76	NC 6293 PW 20	1-733	0	0	0.0050

* Indicates sample leaked in shipment.

Table I

RESULTS OF ANALYSIS OF ENVIRONMENTAL WATER SAMPLES

FOR BUTYL 2,4-D AND BUTYL 2,4,5-T

USAF Sample No.	WSU Sample No.	Esters Found (μg/ml)[a] Butyl 2,4-D	Butyl 2,4,5-T[b]
EW11J1W (Etch No. 635)	1-835	0	0
EW11J2W (Etch No. 636)	1-836	0	0
EW11J3W (Etch No. 637)	1-837	0	0

a. The minimum detectable concentration of butyl 2,4-D and butyl 2,4,5-T which could be detected was 0.002 μg/ml for each of the esters.

b. Owing to the interferences present in this sample, the minimum detectable concentration for each of the esters was 0.010 μg/ml.

Table 1

RESULTS OF ANALYSES OF POTABLE AND DRAINAGE WATER SAMPLES FROM GULFPORT, MISSISSIPPI FOR 2,3,7,8-TCDD CONTENT

WSU No.	AF No.	TCDD Found[a]	Minimum Detectable Concentration (Pg/ml)
1-870	D103M7W	N.D.	10
1-871	D203M7W	N.D.	10
1-872	D303M7W	N.D.	6
1-874	D503M7W	N.D.	6
1-875	D603M7W	N.D.	8
1-876	W103M7W	N.D.	4
1-877	W203M7W	N.D.	6
1-878	W303M7W	N.D.	4
1-879	W403M7W	N.D.	6
1-891	W306M7W	N.D.	12
1-892	W406M7W	N.D.	8
1-893	W506M7W	N.D.	6
1-904	W124M7W	N.D.	8
1-905	W224M7W	N.D.	4
1-906	W324M7W	N.D.	6
1-907	W424M7W	N.D.	8
1-908	W524M7W	N.D.	6
1-909	W724M7W	N.D.	6
1-916	W125M7W	N.D.	4
1-917	W225M7W	N.D.	4
1-919	W425M7W	N.D.	6
1-920	W525M7W	N.D.	6
1-921	W725M7W	N.D.	6
1-922	W624M7W	Interferences	-
1-938	W104M7W	N.D.	4
1-942	W205M7W	N.D.	7
1-943	W305M7W	N.D.	42
1-944	W405M7W	N.D.	4

Table 1

WSU No.	AF No.	TCDD Found[a]	Minimum Detectable Concentration (Pg/ml)
1-945	W505M7W	N.D.	4
1-1056	W603E7W	2.4 Ng/ml	-
1-1058	W104E7W	N.D.	12
1-1059	W204E7W	N.D.	9
1-1060	W304E7W	N.D.	5
1-1061	W404E7W	N.D.	7
1-1062	W504E7W	N.D.	14
1-1063	W704E7W	N.D.	10
1-1081	W711E7W	N.D.	10
1-1082	W112E7W	N.D.	5
1-1083	W212E7W	N.D.	4
1-1305	W312E7W	N.D.	5
1-1306	W412E7W	N.D.	5
1-1307	W512E7W	N.D.	9
1-1308	D112E7W	N.D.	12
1-1309	D212E7W	N.D.	9
1-1310	D312E7W	N.D.	6
1-1311	D412E7W	N.D.	6
1-1312	D512E7W	N.D.	5
1-1313	D612E7W	N.D.	5

a. N.D. indicates none detected in excess of the minimum detectable concentration.

Table 5

RESULTS OF ANALYSES OF POTABLE AND DRAINAGE WATER SAMPLES FROM GULFPORT, MISSISSIPPI FOR BUTYL ESTERS OF 2,4-D AND 2,4,5-T

WSU No.	AF No.	2,4-D Found[a]	2,4,5-T Found[a]	Minimum Detectable Concentration (Ng/ml)
1-870	D103M7W	N.D.	N.D.	0.6
1-871	D203M7W	N.D.	0.33 Ng/ml	0.6
1-872	D303M7W	N.D.	N.D.	0.6
1-874	D503M7W	N.D.	N.D.	0.6
1-875	D603M7W	N.D.	N.D.	0.6
1-876	W103M7W	N.D.	N.D.	0.6
1-877	W203M7W	N.D.	N.D.	0.6
1-878	W303M7W	N.D.	N.D.	0.6
1-879	W403M7W	N.D.	N.D.	0.6
1-891	W306M7W	N.D.	N.D.	0.6
1-892	W406M7W	N.D.	N.D.	0.6
1-893	W506M7W	N.D.	N.D.	0.6
1-904	W124M7W	3.94 Ng/ml	4.25 Ng/ml	-
1-905	W224M7W	N.D.	N.D.	0.6
1-906	W324M7W	3.89 Ng/ml	N.D.	0.6
1-907	W424M7W	N.D.	N.D.	0.6
1-908	W524M7W	N.D.	N.D.	0.6
1-909	W724M7W	N.D.	N.D.	0.6
1-916	W125M7W	N.D.	0.7 Ng/ml	0.6
1-917	W225M7W	1.11 Ng/ml	0.82 Ng/ml	-
1-919	W425M7W	N.D.	N.D.	0.6
1-920	W525M7W	N.D.	N.D.	0.6
1-921	W725M7W	N.D.	N.D.	0.6
1-922	W624M7W	N.D.	2.21 Ng/ml	-
1-938	W104M7W	N.D.	N.D.	0.4
1-942	W205M7W	N.D.	N.D.	0.4
1-943	W305M7W	0.7 Ng/ml	0.9 Ng/ml	-
1-944	W405M7W	N.D.	N.D.	0.4

Table 5 (Continued)

WSU No.	AF No.	2,4,-D Found[a]	2,4,5-T Found[a]	Minimum Detectable Concentration (Ng/ml)
1-945	W505M7W	Interferences	6.4 Ng/ml	4.4
1-1056	W603E7W	Interferences	89 Ng/ml	63.0
1-1058	W104E7W	N.D.	N.D.	0.4
1-1059	W204E7W	N.D.	N.D.	0.6
1-1060	W304E7W	N.D.	N.D.	0.4
1-1061	W404E7W	N.D.	N.D.	0.4
1-1062	W504E7W	N.D.	N.D.	0.4
1-1063	W704E7W	Interferences	53 Ng/ml	20.0
1-1081	W711E7W	N.D.	N.D.	0.4
1-1082	W112E7W	N.D.	N.D.	0.4
1-1083	W212E7W	N.D.	N.D.	0.4
1-1305	W312E7W	N.D.	N.D.	0.4
1-1306	W412E7W	N.D.	N.D.	0.4
1-1307	W512E7W	Interferences	23 Ng/ml	20.0
1-1308	D112E7W	N.D.	N.D.	0.4
1-1309	D212E7W	N.D.	N.D.	0.4
1-1310	D312E7W	N.D.	N.D.	0.4
1-1311	D412E7W	N.D.	N.D.	0.4
1-1312	D512E7W	N.D.	N.D.	0.4
1-1313	D612E7W	N.D.	N.D.	0.4

a. N.D. indicates none detected in excess of the minimum detectable concentration.

WATER SAMPLES DURING PREOPERATIONAL PERIOD

SAMPLE NUMBER (CODE)	SAMPLE TYPE	CONCENTRATION OF 2,4-D (μg/ℓ)	CONCENTRATION OF 2,4,5-T (μg/ℓ)	CONCENTRATION OF TCDD (mg/ℓ)
W103M7U	COMPOSITE	0.78	0.95	
W203M7U	"	0.13	0.14	
W303M7U	GRAB	ND[1]	ND	
W403M7U	"	ND	ND	
W104M7U/W	COMPOSITE	ND	0.065	<3.8
W204M7U	"	0.18	0.24	
W504M8U	GRAB	ND	ND	
W105M7U	COMPOSITE	ND	0.085	
W205M7U/W	"	ND	0.09	<6.8
W305M7U/W	GRAB	ND	ND	<42
W405M7U/W	"	ND	ND	<4.0
W505M7U/W	COMPOSITE	ND	ND	<3.9
W306M7U	GRAB	ND	ND	
W406M7U	"	ND	ND	
W506M7U	COMPOSITE	ND	ND	
W124M7U	COMPOSITE	1.96	1.01	
W224M7U	"	0.18	0.42	
W324M7U	GRAB	0.70	0.045	
W424M7U	"	ND	0.045	
W524M7U	COMPOSITE	0.48	0.85	
W724M7U	"	0.375	1.34	

ND - Non detected at a detection limit of

WATER SAMPLES DURING OPERATIONAL PERIOD

SAMPLE NUMBER (CODE)	SAMPLE TYPE	CONCENTRATION OF 2,4-D (μg/ℓ)	CONCENTRATION OF 2,4,5-T (μg/ℓ)	CONCENTRATION OF TCDD (mg/ℓ)
W126M7U	COMPOSITE	4.93	3.73	
W226M7U	"	0.421	0.51	
W326M7U	GRAB	0.921	0.882	
W426M7U	"	0.729	0.68	
W526M7U	COMPOSITE	0.901	0.771	
W626M7U	GRAB	19,406	14,938	
W726M7U	COMPOSITE	22.89	20.29	
W127M7U	"	1.89	0.912	
W227M7U	"	0.138	0.359	
W327M7U	GRAB	0.029	ND	
W427M7U	"	0.173	0.204	
W527M7U	COMPOSITE	ND	ND	
W627M7U	"	15,600	11,368	
W727M7U	"	11.44	11.40	
W128M7U	"	1.21	2.10	
W228M7U	"	0.385	0.566	
W328M7U	GRAB	0.311	1.35	
W428M7U	"	0.417	0.538	
W528M7U	COMPOSITE	2,28	1.85	
W628M7U	"	34,540	25,540	
W728M7U	"	82.13	99.82	
W129M7U	"	1.17	1.44	
W229M7U	"	1.09	1.34	
W329M7U	GRAB	0.259	0.374	
W429M7U	"	1.10	0.929	
W529M7U	COMPOSITE	0.738	0.869	
W130M7U	"	2.11	1.55	
W230M7U	"	0.61	1.23	

WATER SAMPLES DURING OPERATIONAL PERIOD (Cont'd)

SAMPLE NUMBER (CODE)	SAMPLE TYPE	CONCENTRATION OF 2,4-D (μg/ℓ)	CONCENTRATION OF 2,4,5-T (μg/ℓ)	CONCENTRATION OF TCDD (mg/ℓ)
W330M7U	GRAB	9.82	8.46	
W430M7U	"	ND	ND	
W530M7U	COMPOSITE	1.50	1.65	
W131M7U	"	248.4	317.49	
W231M7U	"	3.64	3.69	
W331M7U	GRAB	0.859	0.888	
W431M7U	"	1.25	1.64	
W531M7U	COMPOSITE	5.23	6.62	
W201E7U	"	8.34	9.73	
W301E7U	GRAB	1.48	1.93	
W401E7U	"	0.828	1.32	
W501E7U	COMPOSITE	0.75	1.19	
W601E7U	"	2390.61	947.22	
W701E7U	"	173.58	123.98	
W303E7U	"	1023.03	3451.27	
W203E7U	"	1165.47	3062.17	<9.1
W303E7U	GRAB	4.66	4.56	
W403E7U	"	2.46	2.04	
W503E7U	COMPOSITE	1.09	2.04	
W603E7U/W	COMPOSITE	1431817	954269	2400
W703E7U	"	158.27	285.97	
W104E7U/W	"	61.43	175.77	<12.1
W204E7U	"	305.08	536.06	
W304E7U/W	GRAB	0.191	0.060	<4.8

WATER SAMPLES DURING OPERATIONAL PERIOD (Cont'd)

SAMPLE NUMBER (CODE)	SAMPLE TYPE	CONCENTRATION OF 2,4-D (μg/ℓ)	CONCENTRATION OF 2,4,5-T (μg/ℓ)	CONCENTRATION OF TCDD (mg/ℓ)
W105E7U	COMPOSITE	17.94	97.57	
W205E7U	"	135.72	407.12	
W305E7U	GRAB	0.79	0.254	
W405E7U	"	0.151	0.176	
W505E7U	COMPOSITE	1.44	2.21	
W106E7U	"	1.40	8.29	
W206E7U	"	98.55	464.92	
W306E7U	GRAB	0.64	0.706	
W406E7U	"	0.097	0.10	
W506E7U	COMPOSITE	0.206	0.238	
W107E7U	"	1.12	4.91	
W207E7U	"	1.30	7.26	
W307E7U	GRAB	0.97	0.93	
W407E7U	"	0.028	ND	
W507E7U	COMPOSITE	0.687	0.713	
W607E7U	"	2090.25	20106	
W707E7U	"	90.61	81.0	
W108E7U	"	1.04	3.14	
W208E7U	"	5.94	10.44	
W308E7U	GRAB	0.45	1.09	
W408E7U	"	0.93	0.924	
W508E7U	COMPOSITE	0.374	0.911	
W608E7U	"	40855	57172	
W708E7U	"	12.06	67.29	
W109E7U	"	0.046	2.35	
W209E7U	"	1.20	0.87	
W309E7U	GRAB	0.545	0.311	
W409E7U	"	0.700	0.487	
W509E7U	COMPOSITE	1.154	1.125	

WATER SAMPLES DURING OPERATIONAL PERIOD (Cont'd)

SAMPLE NUMBER (CODE)	SAMPLE TYPE	CONCENTRATION OF 2,4-D (μg/ℓ)	CONCENTRATION OF 2,4,5-T (μg/ℓ)	CONCENTRATION OF TCDD (mg/ℓ)
W609E7U	COMPOSITE	185.25	197.472	
W110E7U	"	1.55	9.66	
W210E7U	"	49.50	96.75	
W310E7U	GRAB	0.13	0.12	
W410E7U	"	ND	ND	
W510E7U	COMPOSITE	0.13	0.12	
W710E7U	"	7.08	3.74	

WATER SAMPLES DURING POSTOPERATIONAL PERIOD

SAMPLE NUMBER (CODE)	SAMPLE TYPE	CONCENTRATION OF 2,4-D (μg/ℓ)	CONCENTRATION OF 2,4,5-T (μg/ℓ)	CONCENTRATION OF TCDD (mg/ℓ)
W111E7U	COMPOSITE	1.950	7.815	
W211E7U	"	ND	27.0	
W311E7U	GRAB	0.09	0.06	
W411E7&	"	0.314	0.054	
W511E7U	COMPOSITE	0.45	0.32	
W611E7U	"	2.4	3.78	
W711E7W	"	-	0.037	<10.4
W112E7U	"	ND	-	<5.4
W212E7U	"	ND	14.51	<4.3
W312E7U	GRAB	0.045	0.037	<5.4
W412E7U	"	0.105	0.093	<5.3
W512E7U	COMPOSITE	0.724	0.935	<9.0
W113E7U	"	2.09	10.77	
W213E7U	"	1.79	38.62	

Table II Results of Water Samples from HO Storage Area NCBC GUlfport - May 1974, Oct 1976

Sample Site		2,4-D µg/l *				2,4,5-T µg/l *				TCDD Pg/ml			
Number	Description	Number of Samples	Min	Max	Avg	Min	Max	Avg	Number of Samples	Min	Max	Avg	
EPA 1	Drainage ditch - North End PAD #64	5	ND**	240.5	53.5	ND	493.7	133.4	-	0	0	0	
EPA 2	Base perimeter - exit of drainage ditch	6	ND	0.57	0.15	ND	0.3	0.1	3	0	0	0	
EPA 3	Drainage ditch - North End PAD #59	5	ND	1928.4	409.4	ND	390	0	8	0	0	0	
IIA	Drainage ditch - before bauxite pile	2	55.9	326	190.9	83.7	955.2	519.4	6	0	46	7.7	
IIB	Drainage ditch - after bauxite pile	5	ND	178.3	46.1	ND	302.5	128.1	4	0	0	0	
IIC	Further down stream of IIB	1	ND	ND	-	ND	ND	-	0	-	-	-	
IIIA	Drainage from Industrual area	2	ND	ND	-	ND	ND	-	0	-	-	-	
-	Back bay of Biloxi	0	-	-	-	-	-	-	2	0	0	0	

* Includes both acid and ester forms of the herbicide
** Non-detectable

ater (continued)

HL #	WSU #	DATE	EHL CODE	LOCATION	TCDD
	1-101	15 Oct 75	-	Ditch near HO storage	0
	1-102	15 Oct 75	-	Before bauxite pile	46 pg/ml
	1-103	15 Oct 75	-	After bauxite pile	0
	1-104	15 Oct 75	-	Before base exit	0
28	1-414	27 Jan 76	EW27J11K	After bauxite pile	0
27	1-412	4 Feb 76	EW04F11K	After bauxite pile	0
31	1-413	11 Feb 76	EW11F11K	After bauxite pile	0
	1-425	21 Apr 76	-	At base exit	0
	1-426	21 Apr 76	-	At base exit	0
	1-427	21 Apr 76	-	Ditch near HO storage (old EPA 3)	0
	1-428	21 Apr 76	-	Ditch near HO storage (old EPA 3)	0
	1-429	21 Apr 76	-	Back Bay of Biloxi	0
	1-430	21 Apr 76	-	Back Bay of Biloxi	0

APPENDIX A

Completed Analyses on Environmental Samples Collected at NCBC, Gulfport as of 20 September 1976

WATER

EHL #	GP #	DATE	ESTER D	ESTER T	ACID D	ACID T	TCDD
9621	EPA 1	24 Jun 75	ND	ND	ND	ND	-
11409	EPA 1	2 Aug 75	12.7μg/l	43.3μg/l	4.1μg/l	4.3μg/l	-
12085	EPA 1	8 Aug 75	0.88μg/l	2.3μg/l	239.6μg/l	491.4μg/l	-
12086	EPA 1	12 Aug 75	0.03μg/l	0.05μg/l	10.2μg/l	56.0μg/l	-
12637	EPA 1	21 Aug 75	ND	ND	ND	69.9μg/l	-
9623	EPA 3	24 Jun 75	ND	ND	6.1μg/l	4.4μg/l	-
11411	EPA 3	2 Aug 75	T	T	4.5μg/l	4.6μg/l	-
12083	EPA 3	8 Aug 75	ND	ND	ND	ND	-
12084	EPA 3	12 Aug 75	ND	ND	107.8μg/l	126.5μg/l	-
12638	EPA 3	23 Aug 75	ND	ND	1928.4μg/l	1814.7μg/l	-
12087	IIA	12 Aug 75	ND	ND	55.9μg/l	83.7μg/l	-
12639	IIA	23 Aug 75	ND	ND	326.0μg/l	955.2μg/l	-
12088	IIB	12 Aug 75	ND	ND	22.2μg/l	28.6μg/l	-
12634	IIB	15 Aug 75	T	T	ND	302.5μg/l	-
12635	IIB	18 Aug 75	ND	ND	ND	ND	-
12636	IIB	21 Aug 75	ND	ND	178.3μg/l	237.8μg/l	-
12640	IIB	23 Aug 75	ND	ND	30.1μg/l	71.4μg/l	-
12641	IIC	23 Aug 75	ND	ND	ND	ND	-
12089	IIIA	12 Aug 75	ND	ND	ND	ND	-
12642	IIIA	23 Aug 75	ND	ND	ND	ND	-
9622	EPA 2	24 Jun 75	ND	ND	0.6μg/l	0.3μg/l	-
11410	EPA 2	2 Aug 75	T	T	0.3μg/l	0.3μg/l	-
12090	EPA 2	12 Aug 75	ND	ND	ND	ND	-
12091	EPA 2	12 Aug 75	ND	ND	ND	ND	-
12633	EPA 2	14 Aug 75	ND	ND	ND	ND	-
12643	EPA 2	23 Aug 75	ND	ND	ND	ND	-
-	H_2O blank	2 Aug 75	0.5μg/l	3.3μg/l	1.1μg/l	1.2μg/l	-