

## OCCIDENTAL Facility 2002, 2001, and 2000 TRI Dioxin Data TM-17

Occidental Chemical		Mobile				Muscle Shoals				New Castle			
		2002	2001	2000	var.	2002	2001	2000	var.	2002	2001	2000	var.
<b>TRI On-Site Reported Releases of Dioxins</b>													
5.1 & 5.2	TOTAL Air Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.3.1	Surface Water Discharges	0.04	0.04	0.00	0.04	0.00	0.05	0.00	0.00	0.01	0.01	0.00	0.01
5.5.2	Releases to Land Surface	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.05	0.00	0.00	0.00	0.00
	TOTAL Release to Open Environmental	0.04	0.04	0.00	0.04	0.05	0.05	0.00	0.05	0.01	0.01	0.00	0.01
<b>TRI On-Site Disposal of Dioxins</b>													
5.5.1A	Hazardous Waste Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5.1B	Other Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.4.1/5.4.2	Underground Injection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	On-Site Disposal (other)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TRI Transfers Off-Site for Further Waste Mgmt</b>													
	TOTAL Off-Site Transfers	4.76	12.66	0.00	4.76	1.55	5.33	0.00	1.55	9.18	15.63	0.00	9.18
M93	Transfers to Recycling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M56	Transfers to Energy Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M50+	Transfers to Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.18	15.63	0.00	9.18
M72&M79	Transfers to Off-Site Land Disposal	0.00	12.66	0.00	0.00	1.55	5.33	0.00	1.55	0.00	0.00	0.00	0.00
M90	Other Off-Site Transfers	4.76	0.00	0.00	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Quantities of Dioxin in Waste</b>													
8.4	Recycled On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.5	Recycled Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.2	Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.3	Energy Recovery Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.6	Treated On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.7	Treated Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.18	15.63	0.00	9.18
8.8	Quantity Released*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

var. = variance from year 2000 data to year 2002 data

^ = Mobile, Muscle Shoals, and New Castle facilities not included in 2000 reporting; 0 entries equivalent to N/A

\* Quantity Released as a result of remedial actions, catastrophic events, or one time events

## OCCIDENTAL Facility 2002, 2001, and 2000 TRI Dioxin Data TM-17

Occidental Chemical		Convent				Hahnville				Niagara Falls		Niagara Falls		Niagara Falls	
		2002	2001	2000	var.	2002	2001	2000	var.	2002	2001	2000	var.		
<b>TRI On-Site Reported Releases of Dioxins</b>															
5.1 & 5.2	TOTAL Air Emissions	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	-0.02		
5.3.1	Surface Water Discharges	0.76	0.74	0.80	-0.04	19.60	14.37	0.86	18.74	0.13	0.11	0.24	-0.10		
5.5.2	Releases to Land Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
	TOTAL Release to Open Environmental	0.77	0.74	0.81	-0.04	19.60	14.37	0.86	18.74	0.15	0.13	0.27	-0.12		
<b>TRI On-Site Disposal of Dioxins</b>															
5.5.1A	Hazardous Waste Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
5.5.1B	Other Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
5.4.1/5.4.2	Underground Injection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	On-Site Disposal (other)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
<b>TRI Transfers Off-Site for Further Waste Mgmt</b>															
	TOTAL Off-Site Transfers	188.01	179.08	234.33	-46.32	3.00	2.84	3.07	-0.07	7644.86	4043.23	23680.17	-16035.31		
M93	Transfers to Recycling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
M56	Transfers to Energy Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
M50+	Transfers to Treatment	186.72	0.00	232.87	-46.15	0.00	0.00	0.00	0.00	7644.48	4042.80	23679.70	-16035.22		
M72&M79	Transfers to Off-Site Land Disposal	1.28	179.08	1.46	-0.18	2.40	2.29	3.07	-0.67	0.38	0.43	0.47	-0.09		
M90	Other Off-Site Transfers	0.00	0.00	0.00	0.00	0.60	0.54	0.00	0.60	0.00	0.00	0.00	0.00		
<b>Quantities of Dioxin in Waste</b>															
8.4	Recycled On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
8.5	Recycled Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
8.2	Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
8.3	Energy Recovery Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
8.6	Treated On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11200.00	-11200.00		
8.7	Treated Off-Site	188.01	0.00	233.00	-44.99	0.00	0.00	0.00	0.00	0.80	1.90	10.80	-10.00		
8.8	Quantity Released*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8973.82	8590.00	23700.00	-14726.18		

var. = variance from year 2000 data to year 2002 data

## OCCIDENTAL Facility 2002, 2001, and 2000 TRI Dioxin Data TM-17

Occidental Chemical		Castlehayne <sup>+</sup>				Deer Park C/A				Deer Park VCM			
		2002	2001	2000	var.	2002	2001	2000	var.	2002	2001	2000	var.
<b>TRI On-Site Reported Releases of Dioxins</b>													
5.1 & 5.2	TOTAL Air Emissions	0.00	0.25	0.30	-0.30	0.00	0.00	0.00	0.00	52.10	51.40	51.90	0.20
5.3.1	Surface Water Discharges	0.00	0.00	0.00	0.00	6.41	13.92	33.30	-26.89	0.00	0.00	0.00	0.00
5.5.2	Releases to Land Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL Release to Open Environmental	0.00	0.25	0.30	-0.30	6.41	13.92	33.30	-26.89	52.10	51.40	51.90	0.20
<b>TRI On-Site Disposal of Dioxins</b>													
5.5.1A	Hazardous Waste Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5.1B	Other Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.4.1/5.4.2	Underground Injection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	On-Site Disposal (other)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TRI Transfers Off-Site for Further Waste Mgmt</b>													
	TOTAL Off-Site Transfers	0.00	0.00	0.00	0.00	1.69	1.86	6.02	-4.33	47.40	10.19	39.18	8.22
M93	Transfers to Recycling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M56	Transfers to Energy Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M50+	Transfers to Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	27.30	6.09	16.60	10.70
M72&M79	Transfers to Off-Site Land Disposal	0.00	0.00	0.00	0.00	1.69	1.86	6.02	-4.33	20.10	4.10	22.58	-2.48
M90	Other Off-Site Transfers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Quantities of Dioxin in Waste</b>													
8.4	Recycled On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.5	Recycled Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.2	Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.3	Energy Recovery Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.6	Treated On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	4566.84	7020.88	887.08	3679.76
8.7	Treated Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.09	16.60	-16.60
8.8	Quality Released*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

var. = variance from year 2000 data to year 2002 data

\* = Castlehayne not included in 2002 reporting (facility sold); 0 entries equivalent to N/A

## OCCIDENTAL Facility 2002, 2001, and 2000 TRI Dioxin Data TM-17

Occidental Chemical		Ingleside				La Porte C/A				La Porte VCM			
		2002	2001	2000	var.	2002	2001	2000	var.	2002	2001	2000	var.
<b>TRI On-Site Reported Releases of Dioxins</b>													
5.1 & 5.2	TOTAL Air Emissions	30.10	94.40	99.67	-69.57	0.00	0.00	0.00	0.00	0.88	0.88	0.89	-0.01
5.3.1	Surface Water Discharges	1.70	1.58	1.60	0.10	0.57	0.60	0.60	-0.04	1.60	1.60	1.73	-0.13
5.5.2	Releases to Land Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL Release to Open Environmental	31.80	95.98	101.27	-69.47	0.57	0.60	0.60	-0.04	2.48	2.48	2.62	-0.14
<b>TRI On-Site Disposal of Dioxins</b>													
5.5.1A	Hazardous Waste Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5.1B	Other Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.4.1/5.4.2	Underground Injection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	On-Site Disposal (other)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TRI Transfers Off-Site for Further Waste Mgmt</b>													
	TOTAL Off-Site Transfers	378.20	260.07	347.40	30.80	1.14	3.50	0.00	1.14	10322.11	13144.00	15214.10	-4891.99
M93	Transfers to Recycling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M56	Transfers to Energy Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M50+	Transfers to Treatment	0.00	0.00	347.40	-347.40	0.00	0.00	0.00	0.00	3569.76	6359.12	8834.00	-5264.24
M72&M79	Transfers to Off-Site Land Disposal	378.20	260.07	0.00	378.20	1.14	3.50	0.00	1.14	6752.35	6784.88	6380.10	372.25
M90	Other Off-Site Transfers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Quantities of Dioxin in Waste</b>													
8.4	Recycled On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.5	Recycled Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.2	Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.3	Energy Recovery Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.6	Treated On-Site	7527.00	7399.70	7413.00	114.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.7	Treated Off-Site	0.00	0.00	347.40	-347.40	0.00	0.00	0.00	0.00	2193.36	6359.12	8833.60	-6640.24
8.8	Quality Released*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

var. = variance from year 2000 data to year 2002 data

## OCCIDENTAL Facility 2002, 2001, and 2000 TRI Dioxin Data TM-17

Occidental Chemical		TOTAL	TOTAL	TOTAL	
		2002	2001	2000	var.
<b>TRI On-Site Reported Releases of Dioxins</b>					
5.1 & 5.2	TOTAL Air Emissions	83.10	146.95	152.81	-69.71
5.3.1	Surface Water Discharges	30.82	33.03	39.12	-8.30
5.5.2	Releases to Land Surface	0.05	0.00	0.00	0.05
	TOTAL Release to Open Environmental	113.97	179.98	191.93	-77.96
<b>TRI On-Site Disposal of Dioxins</b>					
5.5.1A	Hazardous Waste Landfills	0.00	0.00	0.00	0.00
5.5.1B	Other Landfills	0.00	0.00	0.00	0.00
5.4.1/5.4.2	Underground Injection	0.00	0.00	0.00	0.00
	On-Site Disposal (other)	0.00	0.00	0.00	0.00
<b>TRI Transfers Off-Site for Further Waste Mgmt</b>					
	TOTAL Off-Site Transfers	18601.91	17678.40	39524.27	-20922.37
M93	Transfers to Recycling	0.00	0.00	0.00	0.00
M56	Transfers to Energy Recovery	0.00	0.00	0.00	0.00
M50+	Transfers to Treatment	11437.45	10423.64	33110.57	-21673.12
M72&M79	Transfers to Off-Site Land Disposal	7159.10	7254.22	6413.70	745.40
M90	Other Off-Site Transfers	5.36	0.54	0.00	5.36
<b>Quantities of Dioxin in Waste</b>					
8.4	Recycled On-Site	0.00	0.00	0.00	0.00
8.5	Recycled Off-Site	0.00	0.00	0.00	0.00
8.2	Energy Recovery On-Site	0.00	0.00	0.00	0.00
8.3	Energy Recovery Off-Site	0.00	0.00	0.00	0.00
8.6	Treated On-Site	12093.84	14420.58	19500.08	-7406.24
8.7	Treated Off-Site	2391.35	6382.74	9441.40	-7050.05
8.8	Quality Released*	8973.82	8590.00	23700.00	-14726.18

## OCCIDENTAL Facility 2002, 2001, and 2000 TRI Dioxin Data TEQ

Occidental Chemical		Mobile				Muscle Shoals				New Castle			
		2002	2001	2000 <sup>^</sup>	var.	2002	2001	2000 <sup>^</sup>	var.	2002	2001	2000 <sup>^</sup>	var.
<b>TRI On-Site Reported Releases of Dioxins</b>													
5.1 & 5.2	TOTAL Air Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.3.1	Surface Water Discharges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5.2	Releases to Land Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL Release to Open Environmental	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TRI On-Site Disposal of Dioxins</b>													
5.5.1A	Hazardous Waste Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5.1B	Other Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.4.1/5.4.2	Underground Injection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	On-Site Disposal (other)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TRI Transfers Off-Site for Further Waste Mgmt</b>													
	TOTAL Off-Site Transfers	0.34	1.12	0.00	0.34	0.11	0.38	0.00	0.11	0.52	0.80	0.00	0.52
M93	Transfers to Recycling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M56	Transfers to Energy Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M50+	Transfers to Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.80	0.00	0.52
M72&M79	Transfers to Off-Site Land Disposal	0.00	1.12	0.00	0.00	0.11	0.38	0.00	0.11	0.00	0.00	0.00	0.00
M90	Other Off-Site Transfers	0.34	0.00	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Quantities of Dioxin in Waste</b>													
8.4	Recycled On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.5	Recycled Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.2	Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.3	Energy Recovery Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.6	Treated On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.7	Treated Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.52	0.80	0.00	0.52
8.8	Quality Released*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

var. = variance from year 2000 data to year 2002 data

<sup>^</sup> = Mobile, Muscle Shoals, and New Castle facilities not included in 2000 reporting; 0 entries equivalent to N/A

\* Quantity Released as a result of remedial actions, catastrophic events, or one time events

## OCCIDENTAL Facility 2002, 2001, and 2000 TRI Dioxin Data TEQ

Occidental Chemical		Convent				Hahnville				Niagara Falls			
		2002	2001	2000	var.	2002	2001	2000	var.	2002	2001	2000	var.
<b>TRI On-Site Reported Releases of Dioxins</b>													
5.1 & 5.2	TOTAL Air Emissions	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.3.1	Surface Water Discharges	0.08	0.04	0.08	0.00	1.50	1.10	0.00	1.50	0.01	0.00	0.01	-0.01
5.5.2	Releases to Land Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL Release to Open Environmental	0.08	0.04	0.08	0.00	1.50	1.10	0.00	1.50	0.01	0.00	0.02	-0.01
<b>TRI On-Site Disposal of Dioxins</b>													
5.5.1A	Hazardous Waste Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5.1B	Other Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.4.1/5.4.2	Underground Injection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	On-Site Disposal (other)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TRI Transfers Off-Site for Further Waste Mgmt</b>													
	TOTAL Off-Site Transfers	18.89	10.61	6.32	12.57	0.23	0.04	0.18	0.05	209.63	110.87	206.23	3.40
M93	Transfers to Recycling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M56	Transfers to Energy Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M50+	Transfers to Treatment	18.76	0.00	6.23	12.53	0.00	0.00	0.00	0.00	209.61	110.86	206.20	3.41
M72&M79	Transfers to Off-Site Land Disposal	0.13	10.61	0.09	0.04	0.18	*NOTE	0.18	0.00	0.02	0.01	0.03	-0.01
M90	Other Off-Site Transfers	0.00	0.00	0.00	0.00	0.05	0.04	0.00	0.05	0.00	0.00	0.00	0.00
<b>Quantities of Dioxin in Waste</b>													
8.4	Recycled On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.5	Recycled Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.2	Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.3	Energy Recovery Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.6	Treated On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	374.10	-374.10
8.7	Treated Off-Site	18.89	0.00	6.23	12.66	0.00	0.00	0.00	0.00	0.03	0.05	0.13	-0.10
8.8	Quality Released*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	246.07	235.55	216.40	29.67

var. = variance from year 2000 data to year 2002 data

0 = Hahnville: no TEQ value reported for year 2000 for surface water discharges (TM-17 value of 8.61 was reported)

\*NOTE = Hahnville: congener-specific data not reported for transfer to off-site land disposal

## OCCIDENTAL Facility 2002, 2001, and 2000 TRI Dioxin Data TEQ

Occidental Chemical		Castlehayne <sup>+</sup>				Deer Park C/A				Deer Park VCM			
		2002	2001	2000	var.	2002	2001	2000	var.	2002	2001	2000	var.
<b>TRI On-Site Reported Releases of Dioxins</b>													
5.1 & 5.2	TOTAL Air Emissions	0.00	0.02	0.03	-0.03	0.00	0.00	0.00	0.00	1.21	1.20	0.32	0.89
5.3.1	Surface Water Discharges	0.00	0.00	0.00	0.00	0.15	0.37	0.80	-0.65	0.00	0.00	0.00	0.00
5.5.2	Releases to Land Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL Release to Open Environmental	0.00	0.02	0.03	-0.03	0.15	0.37	0.80	-0.65	1.21	1.20	0.32	0.89
<b>TRI On-Site Disposal of Dioxins</b>													
5.5.1A	Hazardous Waste Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5.1B	Other Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.4.1/5.4.2	Underground Injection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	On-Site Disposal (other)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TRI Transfers Off-Site for Further Waste Mgmt</b>													
	TOTAL Off-Site Transfers	0.00	0.00	0.00	0.00	0.04	0.11	0.36	-0.32	1.10	0.24	1.27	-0.17
M93	Transfers to Recycling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M56	Transfers to Energy Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M50+	Transfers to Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.64	0.14	0.25	0.39
M72&M79	Transfers to Off-Site Land Disposal	0.00	0.00	0.00	0.00	0.04	0.11	0.36	-0.32	0.47	0.10	1.02	-0.55
M90	Other Off-Site Transfers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Quantities of Dioxin in Waste</b>													
8.4	Recycled On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.5	Recycled Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.2	Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.3	Energy Recovery Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.6	Treated On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	106.46	163.66	22.00	84.46
8.7	Treated Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.25	-0.25
8.8	Quality Released*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

var. = variance from year 2000 data to year 2002 data

\* = Castlehayne not included in 2002 reporting (facility sold); 0 entries equivalent to N/A



## OCCIDENTAL Facility 2002, 2001, and 2000 TRI Dioxin Data TEQ

Occidental Chemical		Ingleside				La Porte C/A				La Porte VCM			
		2002	2001	2000	var.	2002	2001	2000	var.	2002	2001	2000	var.
<b>TRI On-Site Reported Releases of Dioxins</b>													
5.1 & 5.2	TOTAL Air Emissions	0.18	1.50	1.58	-1.40	0.00	0.00	0.00	0.00	0.03	0.03	0.03	0.00
5.3.1	Surface Water Discharges	0.01	0.22	0.23	-0.22	0.07	0.08	0.00	0.07	0.01	0.01	0.01	0.00
5.5.2	Releases to Land Surface	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL Release to Open Environmental	0.19	1.73	1.81	-1.62	0.07	0.08	0.00	0.07	0.04	0.04	0.04	0.00
<b>TRI On-Site Disposal of Dioxins</b>													
5.5.1A	Hazardous Waste Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.5.1B	Other Landfills	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5.4.1/5.4.2	Underground Injection	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	On-Site Disposal (other)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>TRI Transfers Off-Site for Further Waste Mgmt</b>													
	TOTAL Off-Site Transfers	2.26	1.37	1.42	0.84	0.14	0.44	0.00	0.14	260.06	363.76	502.49	-242.43
M93	Transfers to Recycling	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	496.40	-496.40
M56	Transfers to Energy Recovery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
M50+	Transfers to Treatment	0.00	0.00	1.42	-1.42	0.00	0.00	0.00	0.00	89.94	357.32	0.00	89.94
M72&M79	Transfers to Off-Site Land Disposal	2.26	1.37	0.00	2.26	0.14	0.44	0.00	0.14	170.12	6.44	6.09	164.03
M90	Other Off-Site Transfers	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Quantities of Dioxin in Waste</b>													
8.4	Recycled On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.5	Recycled Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	496.40	-496.40
8.2	Energy Recovery On-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.3	Energy Recovery Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.6	Treated On-Site	44.89	195.58	195.80	-150.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8.7	Treated Off-Site	0.00	0.00	1.42	-1.42	0.00	0.00	0.00	0.00	55.26	357.32	0.00	55.26
8.8	Quality Released*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

var. = variance from year 2000 data to year 2002 data

## OCCIDENTAL Facility 2002, 2001, and 2000 TRI Dioxin Data TEQ

Occidental Chemical		TOTAL	TOTAL	TOTAL	
		2002	2001	2000	var.
<b>TRI On-Site Reported Releases of Dioxins</b>					
5.1 & 5.2	TOTAL Air Emissions	1.42	2.76	1.96	-0.54
5.3.1	Surface Water Discharges	1.83	1.83	1.14	0.70
5.5.2	Releases to Land Surface	0.00	0.00	0.00	0.00
	TOTAL Release to Open Environmental	3.26	4.59	3.10	0.16
<b>TRI On-Site Disposal of Dioxins</b>					
5.5.1A	Hazardous Waste Landfills	0.00	0.00	0.00	0.00
5.5.1B	Other Landfills	0.00	0.00	0.00	0.00
5.4.1/5.4.2	Underground Injection	0.00	0.00	0.00	0.00
	On-Site Disposal (other)	0.00	0.00	0.00	0.00
<b>TRI Transfers Off-Site for Further Waste Mgmt</b>					
	TOTAL Off-Site Transfers	493.32	489.74	718.27	-224.95
M93	Transfers to Recycling	0.00	0.00	496.40	-496.40
M56	Transfers to Energy Recovery	0.00	0.00	0.00	0.00
M50+	Transfers to Treatment	319.47	469.12	214.10	105.36
M72&M79	Transfers to Off-Site Land Disposal	173.47	20.57	7.77	165.70
M90	Other Off-Site Transfers	0.38	0.04	0.00	0.38
<b>Quantities of Dioxin in Waste</b>					
8.4	Recycled On-Site	0.00	0.00	0.00	0.00
8.5	Recycled Off-Site	0.00	0.00	496.40	-496.40
8.2	Energy Recovery On-Site	0.00	0.00	0.00	0.00
8.3	Energy Recovery Off-Site	0.00	0.00	0.00	0.00
8.6	Treated On-Site	151.35	359.24	591.90	-440.55
8.7	Treated Off-Site	74.70	358.32	8.03	66.67
8.8	Quality Released*	246.07	235.55	216.40	29.67