

OCCIDENTAL Facility 2000-2003 TRI Dioxin Data

	Mobile					Muscle Shoals					New Castle					
	2003	2002	2001	2000	var.	2003	2002	2001	2000	var.	2003	2002	2001	2000	var.	
TRI On-Site Reported Releases of Dioxins																
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	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	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	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	0.00	0.00	
TRI On-Site Disposal of Dioxins																
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	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	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	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	0.00	0.00	
TRI Transfers Off-Site for Further Waste Mgmt																
	TOTAL Off-Site Transfers	0.12	0.34	1.12	0.00	0.12	0.86	0.11	0.38	0.00	0.86	0.40	0.52	0.80	0.00	0.40
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	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	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	0.00	0.40	0.52	0.80	0.00	0.40	
M72&M79	Transfers to Off-Site Land Disposal	0.12	0.00	1.12	0.00	0.12	0.86	0.11	0.38	0.00	0.86	0.00	0.00	0.00	0.00	0.00
M90	Other Off-Site Transfers	0.00	0.34	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quantities of Dioxin in Waste																
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	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	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	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	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	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	0.00	0.40	0.52	0.80	0.00	0.40	
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	0.00	0.00	0.00

var. = variance from year 2000 data to year 2003 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 2000-2003 TRI Dioxin Data															
						Convent	Convent	Convent	Convent		Hahnville	Hahnville	Hahnville	Hahnville		Niagara Falls	Niagara Falls	Niagara Falls	Niagara Falls		
						2003	2002	2001	2000	var.	TEQ	2003	2002	2001	2000	var.	2003	2002	2001	2000	var.
TRI On-Site Reported Releases of Dioxins																					
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5.3.1	Surface Water Discharges	0.08	0.08	0.04	0.08	0.00	1.61	1.50	1.10	0.00	1.61	0.01	0.01	0.00	0.01	0.00	0.00	0.01	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	TOTAL Release to Open Environmental	0.08	0.08	0.04	0.08	0.00	1.61	1.50	1.10	0.00	1.61	0.01	0.01	0.00	0.02	0.00	0.00	0.02	0.01	-0.01	
TRI On-Site Disposal of Dioxins																					
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	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	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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
TRI Transfers Off-Site for Further Waste Mgmt																					
	TOTAL Off-Site Transfers	19.89	18.89	10.61	6.32	13.57	0.00	0.23	0.04	0.18	-0.18	163.95	209.63	110.87	206.23	-42.28					
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	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	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
M50+	Transfers to Treatment	19.76	18.76	0.00	6.23	13.53	0.00	0.00	0.00	0.00	0.00	163.93	209.61	110.86	206.20	-42.27					
M72&M79	Transfers to Off-Site Land Disposal	0.13	0.13	10.61	0.09	0.04	0.00	0.18	*NOTE	0.18	-0.18	0.01	0.02	0.01	0.03	-0.01					
M90	Other Off-Site Transfers	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Quantities of Dioxin in Waste																					
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	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	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	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	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	0.00	0.00	0.00	0.00	0.00	374.10	-374.10	
8.7	Treated Off-Site	19.76	18.89	0.00	6.23	13.53	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.05	0.13	-0.11					
8.8	Quality Released*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	164.03	246.07	235.55	216.40	-52.37					

var. = variance from year 2000 data to year 2003 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 2000-2003 TRI Dioxin Data

	Castlehayne*				Deer Park					Deer Park					
	Castlehayne*	Castlehayne	Castlehayne	var.	C/A	C/A	C/A	C/A	var.	VCM	VCM	VCM	VCM	var.	
	2002	2001	2000	var.	2003	2002	2001	2000	var.	2003	2002	2001	2000	var.	
TRI On-Site Reported Releases of Dioxins															
5.1 & 5.2	TOTAL Air Emissions	0.00	0.02	0.03	-0.03	0.00	0.00	0.00	0.00	0.00	0.02	1.21	1.20	0.32	-0.31
5.3.1	Surface Water Discharges	0.00	0.00	0.00	0.00	0.10	0.15	0.37	0.80	-0.70	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	0.00	0.00
	TOTAL Release to Open Environmental	0.00	0.02	0.03	-0.03	0.10	0.15	0.37	0.80	-0.70	0.02	1.21	1.20	0.32	-0.31
TRI On-Site Disposal of Dioxins															
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	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	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	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	0.00	0.00
TRI Transfers Off-Site for Further Waste Mgmt															
	TOTAL Off-Site Transfers	0.00	0.00	0.00	0.00	0.00	0.04	0.11	0.36	-0.36	58.16	1.10	0.24	1.27	56.89
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	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	0.00	0.00
M50+	Transfers to Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	0.64	0.14	0.25	0.25
M72&M79	Transfers to Off-Site Land Disposal	0.00	0.00	0.00	0.00	0.00	0.04	0.11	0.36	-0.36	57.65	0.47	0.10	1.02	56.63
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	0.00	0.00
Quantities of Dioxin in Waste															
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	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	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	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	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	18.49	106.46	163.66	22.00	-3.51
8.7	Treated Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	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	0.00	0.00

var. = variance from year 2000 data to year 2003 data

* = Castlehayne sold in 2002. No data for 2002-2003; 0 entries equivalent to N/A

OCCIDENTAL Facility 2000-2003 TRI Dioxin Data

	Ingleside					La Porte					La Porte				
	2003	2002	2001	2000	var.	C/A	C/A	C/A	C/A	var.	VCM	VCM	VCM	VCM	var.
TRI On-Site Reported Releases of Dioxins															
5.1 & 5.2 TOTAL Air Emissions	0.00	0.18	1.50	1.58	-1.58	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.03	0.03	-0.01
5.3.1 Surface Water Discharges	0.01	0.01	0.22	0.23	-0.22	0.14	0.07	0.08	0.00	0.13	0.04	0.01	0.01	0.01	0.03
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	0.00	0.00	0.00
TOTAL Release to Open Environmental	0.01	0.19	1.73	1.81	-1.80	0.14	0.07	0.08	0.00	0.13	0.06	0.04	0.04	0.04	0.02
TRI On-Site Disposal of Dioxins															
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	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	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	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	0.00	0.00	0.00
TRI Transfers Off-Site for Further Waste Mgmt															
TOTAL Off-Site Transfers	1.95	2.26	1.37	1.42	0.53	0.51	0.14	0.44	0.00	0.51	223.52	260.06	363.76	502.49	-278.97
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	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	0.00	0.00	0.00
M50+ Transfers to Treatment	0.00	0.00	0.00	1.42	-1.42	0.00	0.00	0.00	0.00	0.00	42.43	89.94	357.32	0.00	42.43
M72&M79 Transfers to Off-Site Land Disposal	1.95	2.26	1.37	0.00	1.95	0.51	0.14	0.44	0.00	0.51	181.08	170.12	6.44	6.09	174.99
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	0.00	0.00	0.00
Quantities of Dioxin in Waste															
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	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	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	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	0.00	0.00	0.00
8.6 Treated On-Site	26.29	44.89	195.58	195.80	-169.51	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	1.42	-1.42	0.00	0.00	0.00	0.00	0.00	42.43	55.26	357.32	0.00	42.43
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	0.00	0.00	0.00

var. = variance from year 2000 data to year 2003 data

OCCIDENTAL Facility 2000-2003 TRI Dioxin Data

		TOTAL	TOTAL	TOTAL	TOTAL	
		2003	2002	2001	2000	var.
TRI On-Site Reported Releases of Dioxins						
5.1 & 5.2	TOTAL Air Emissions	0.04	1.44	2.76	1.96	-1.92
5.3.1	Surface Water Discharges	1.99	1.83	1.83	1.14	0.86
5.5.2	Releases to Land Surface	0.00	0.00	0.00	0.00	0.00
	TOTAL Release to Open Environmental	2.03	3.28	4.59	3.10	-1.07
TRI On-Site Disposal of Dioxins						
5.5.1A	Hazardous Waste Landfills	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
5.4.1/5.4.2	Underground Injection	0.00	0.00	0.00	0.00	0.00
	On-Site Disposal (other)	0.00	0.00	0.00	0.00	0.00
TRI Transfers Off-Site for Further Waste Mgmt						
	TOTAL Off-Site Transfers	469.36	493.32	489.74	718.27	-248.91
M93	Transfers to Recycling	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
M50+	Transfers to Treatment	227.03	319.47	469.12	214.10	12.93
M72&M79	Transfers to Off-Site Land Disposal	242.33	173.47	20.57	7.77	234.56
M90	Other Off-Site Transfers	0.00	0.38	0.04	0.00	0.00
Quantities of Dioxin in Waste						
8.4	Recycled On-Site	0.00	0.00	0.00	0.00	0.00
8.5	Recycled Off-Site	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
8.3	Energy Recovery Off-Site	0.00	0.00	0.00	0.00	0.00
8.6	Treated On-Site	44.78	151.35	359.24	591.90	-547.12
8.7	Treated Off-Site	63.11	74.70	358.32	8.03	55.08
8.8	Quality Released*	164.03	246.07	235.55	216.40	-52.37

OCCIDENTAL Facility 2000-2003 TRI Dioxin Data

TM-17

Occidental Chemical		Mobile	Mobile	Mobile	Mobile [^]	var.	Muscle Shoals	Muscle Shoals	Muscle Shoals	Muscle Shoals [^]	var.	New Castle	New Castle	New Castle	New Castle [^]	var.	
		2003	2002	2001	2000		2003	2002	2001	2000		2003	2002	2001	2000		
TRI On-Site Reported Releases of Dioxins																	
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	0.00	0.00	0.00	0.00
5.3.1	Surface Water Discharges	0.06	0.04	0.04	0.00	0.06	0.05	0.05	0.05	0.00	0.05	0.02	0.01	0.01	0.00	0.00	0.02
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	0.00	0.00	0.00	0.00
	TOTAL Release to Open Environmental	0.06	0.04	0.04	0.00	0.06	0.05	0.05	0.05	0.00	0.05	0.02	0.01	0.01	0.00	0.00	0.02
TRI On-Site Disposal of Dioxins																	
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	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	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	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	0.00	0.00	0.00	0.00
TRI Transfers Off-Site for Further Waste Mgmt																	
	TOTAL Off-Site Transfers	1.72	4.76	12.66	0.00	1.72	12.45	1.55	5.33	0.00	12.45	7.02	9.18	15.63	0.00	7.02	
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	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	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	0.00	0.00	7.02	9.18	15.63	0.00	7.02	
M72&M79	Transfers to Off-Site Land Disposal	1.72	0.00	12.66	0.00	1.72	12.45	1.55	5.33	0.00	12.45	0.00	0.00	0.00	0.00	0.00	
M90	Other Off-Site Transfers	0.00	4.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Quantities of Dioxin in Waste																	
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	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	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	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	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	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	0.00	0.00	7.02	9.18	15.63	0.00	7.02	
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	0.00	0.00	0.00	0.00

var. = variance from year 2000 data to year 2003 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 2000-2003 TRI Dioxin Data

TM-17

Occidental Chemical		Convent					Hahnville					Niagara Falls				
		2003	2002	2001	2000	var.	2003	2002	2001	2000	var.	2003	2002	2001	2000	var.
TRI On-Site Reported Releases of Dioxins																
5.1 & 5.2	TOTAL Air Emissions	0.03	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	-0.03
5.3.1	Surface Water Discharges	0.78	0.76	0.74	0.80	-0.02	21.08	19.60	14.37	0.86	20.22	0.20	0.13	0.11	0.24	-0.04
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	0.00	0.00	0.00
	TOTAL Release to Open Environmental	0.81	0.77	0.74	0.81	0.00	21.08	19.60	14.37	0.86	20.22	0.20	0.15	0.13	0.27	-0.07
TRI On-Site Disposal of Dioxins																
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	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	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	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	0.00	0.00	0.00
TRI Transfers Off-Site for Further Waste Mgmt																
	TOTAL Off-Site Transfers	197.91	188.01	179.08	234.33	-36.42	3.36	3.00	2.84	3.07	0.29	5806.99	7644.86	4043.23	23680.17	-17873.18
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	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	0.00	0.00	0.00
M50+	Transfers to Treatment	196.63	186.72	0.00	232.87	-36.24	0.57	0.00	0.00	0.00	0.57	5806.50	7644.48	4042.80	23679.70	-17873.20
M72&M79	Transfers to Off-Site Land Disposal	1.28	1.28	179.08	1.46	-0.18	2.79	2.40	2.29	3.07	-0.28	0.49	0.38	0.43	0.47	0.02
M90	Other Off-Site Transfers	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Quantities of Dioxin in Waste																
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	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	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	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	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	0.00	11200.00	-11200.00
8.7	Treated Off-Site	196.63	188.01	0.00	233.00	-36.37	0.00	0.00	0.00	0.00	0.00	0.49	0.80	1.90	10.80	-10.31
8.8	Quality Released*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5810.00	8973.82	8590.00	23700.00	-17890.00

var. = variance from year 2000 data to year 2003 data

OCCIDENTAL Facility 2000-2003 TRI Dioxin Data

TM-17

Occidental Chemical		Castlehayne*				Deer Park C/A					Deer Park VCM				
		2002	2001	2000	var.	2003	2002	2001	2000	var.	2003	2002	2001	2000	var.
TRI On-Site Reported Releases of Dioxins															
5.1 & 5.2	TOTAL Air Emissions	0.00	0.25	0.30	-0.30	0.00	0.00	0.00	0.00	0.00	2.68	52.10	51.40	51.90	-49.22
5.3.1	Surface Water Discharges	0.00	0.00	0.00	0.00	4.22	6.41	13.92	33.30	-29.08	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	0.00	0.00
	TOTAL Release to Open Environmental	0.00	0.25	0.30	-0.30	4.22	6.41	13.92	33.30	-29.08	2.68	52.10	51.40	51.90	-49.22
TRI On-Site Disposal of Dioxins															
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	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	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	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	0.00	0.00
TRI Transfers Off-Site for Further Waste Mgmt															
	TOTAL Off-Site Transfers	0.00	0.00	0.00	0.00	0.09	1.69	1.86	6.02	-5.93	10380.81	47.40	10.19	39.18	#####
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	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	0.00	0.00
M50+	Transfers to Treatment	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.92	27.30	6.09	16.60	73.32
M72&M79	Transfers to Off-Site Land Disposal	0.00	0.00	0.00	0.00	0.09	1.69	1.86	6.02	-5.93	10290.89	20.10	4.10	22.58	#####
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	0.00	0.00
Quantities of Dioxin in Waste															
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	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	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	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	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	3300.69	4566.84	7020.88	887.08	2413.61
8.7	Treated Off-Site	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	89.90	0.00	6.09	16.60	73.30
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	0.00	0.00

var. = variance from year 2000 data to year 2003 data

* = Castlehayne sold in 2002. No data for 2002-2003; 0 entries equivalent to N/A

OCCIDENTAL Facility 2000-2003 TRI Dioxin Data

TM-17

Occidental Chemical		Ingleside					La Porte C/A					La Porte VCM				
		2003	2002	2001	2000	var.	2003	2002	2001	2000	var.	2003	2002	2001	2000	var.
TRI On-Site Reported Releases of Dioxins																
5.1 & 5.2	TOTAL Air Emissions	0.12	30.10	94.40	99.67	-99.55	0.00	0.00	0.00	0.00	0.00	0.85	0.88	0.88	0.89	-0.04
5.3.1	Surface Water Discharges	3.00	1.70	1.58	1.60	1.40	1.08	0.57	0.60	0.60	0.48	1.54	1.60	1.60	1.73	-0.19
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	0.00	0.00	0.00
	TOTAL Release to Open Environmental	3.12	31.80	95.98	101.27	-98.15	1.08	0.57	0.60	0.60	0.48	2.39	2.48	2.48	2.62	-0.23
TRI On-Site Disposal of Dioxins																
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	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	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	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	0.00	0.00	0.00
TRI Transfers Off-Site for Further Waste Mgmt																
	TOTAL Off-Site Transfers	478.70	378.20	260.07	347.40	131.30	4.03	1.14	3.50	0.00	4.03	8871.77	10322.11	13144.00	15214.10	-6342.33
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	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	0.00	0.00	0.00
M50+	Transfers to Treatment	0.00	0.00	0.00	347.40	-347.40	0.00	0.00	0.00	0.00	0.00	1684.24	3569.76	6359.12	8834.00	-7149.76
M72&M79	Transfers to Off-Site Land Disposal	478.70	378.20	260.07	0.00	478.70	4.03	1.14	3.50	0.00	4.03	7187.53	6752.35	6784.88	6380.10	807.43
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	0.00	0.00	0.00
Quantities of Dioxin in Waste																
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	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	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	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	0.00	0.00	0.00
8.6	Treated On-Site	6451.00	7527.00	7399.70	7413.00	-962.00	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	347.40	-347.40	0.00	0.00	0.00	0.00	0.00	1684.24	2193.36	6359.12	8833.60	-7149.36
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	0.00	0.00	0.00

var. = variance from year 2000 data to year 2003 data

OCCIDENTAL Facility 2000-2003 TRI Dioxin Data

TM-17

Occidental Chemical		TOTAL	TOTAL	TOTAL	TOTAL	
		2003	2002	2001	2000	var.
TRI On-Site Reported Releases of Dioxins						
5.1 & 5.2	TOTAL Air Emissions	3.68	83.35	146.95	152.81	-149.12
5.3.1	Surface Water Discharges	32.02	30.87	33.03	39.12	-7.10
5.5.2	Releases to Land Surface	0.00	0.00	0.00	0.00	0.00
	TOTAL Release to Open Environmental	35.71	114.22	179.98	191.93	-156.22
TRI On-Site Disposal of Dioxins						
5.5.1A	Hazardous Waste Landfills	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
5.4.1/5.4.2	Underground Injection	0.00	0.00	0.00	0.00	0.00
	On-Site Disposal (other)	0.00	0.00	0.00	0.00	0.00
TRI Transfers Off-Site for Further Waste Mgmt						
	TOTAL Off-Site Transfers	25764.86	18601.91	17678.40	39524.27	-13759.42
M93	Transfers to Recycling	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
M50+	Transfers to Treatment	7784.88	11437.45	10423.64	33110.57	-25325.69
M72&M79	Transfers to Off-Site Land Disposal	17979.97	7159.10	7254.22	6413.70	11566.27
M90	Other Off-Site Transfers	0.00	5.36	0.54	0.00	0.00
Quantities of Dioxin in Waste						
8.4	Recycled On-Site	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
8.2	Energy Recovery On-Site	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
8.6	Treated On-Site	9751.69	12093.84	14420.58	19500.08	-9748.39
8.7	Treated Off-Site	1978.28	2391.35	6382.74	9441.40	-7463.12
8.8	Quality Released*	5810.00	8973.82	8590.00	23700.00	-17890.00