

DOW Facility 2000-2003 TRI Dioxin Data

TEQ

Dow Chemical		Plaquemine					Midland					Freeport					TOTAL				
		2003	2002	2001	2000	var.	2003	2002	2001	2000	var.	2003	2002	2001	2000	var.	2003	2002	2001	2000	var.
<b>TRI On-Site Reported Releases of Dioxins</b>																					
5.1 & 5.2	TOTAL Air Emissions	0.22	0.17	0.09	0.14	0.08	0.04	0.04	0.06	0.07	-0.03	1.73	2.19	4.05	3.28	-1.55	1.98	2.40	4.20	3.48	-1.50
5.3.1	Surface Water Discharges	2.39	2.03	2.80	5.61	-3.23	0.02	0.01	0.01	0.03	-0.01	2.53	3.12	9.60	5.78	-3.25	4.93	5.16	12.41	11.42	-6.49
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	0.00
	TOTAL Release to Open Environmental	2.60	2.20	2.89	5.75	-3.14	0.05	0.06	0.07	0.10	-0.05	4.25	5.31	13.65	9.06	-4.81	6.91	7.57	16.61	14.90	-7.99
<b>TRI On-Site Disposal of Dioxins</b>																					
5.5.1A	Hazardous Waste Landfills	0.01	0.01	0.00	0.00	0.01	92.60	15.82	13.82	12.83	79.77	33.33	56.00	156.90	88.17	-54.84	125.94	71.83	170.72	101.00	24.94
5.5.1B	Other Landfills	8.41	1.09	6.19	12.45	-4.04	0.00	0.00	0.00	0.00	0.00	9.17	18.90	42.81	0.00	9.17	17.58	19.99	49.00	12.45	5.13
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	5.27	4.23	5.43	7.79	-2.52	5.27	4.23	5.43	7.79	-2.52
	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	0.00
<b>TRI Transfers Off-Site for Further Waste Mgmt</b>																					
	TOTAL Off-Site Transfers	0.00	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00	0.00	1.45	0.01	-0.01
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	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	0.00
M50+	Transfers to Treatment	0.00	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00	0.00	1.45	0.01	-0.01
M72&M79	Transfers to Off-Site Land Disposal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	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	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	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	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	0.00
8.6	Treated On-Site	808.73	995.20	887.40	306.00	502.73	458.20	287.30	449.71	400.00	58.20	240.28	2937.60	3905.60	4634.71	-4394.43	1507.21	4220.10	5242.71	5340.71	-3833.50
8.7	Treated Off-Site	0.00	0.00	1.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.06	-0.06	0.00	0.00	1.45	0.06	-0.06
8.8	Quantity Released*	0.00	0.00	0.00	0.00	0.00	92.55	15.82	13.82	12.68	79.87	0.00	0.60	8.95	0.00	0.00	92.55	16.42	22.77	12.68	79.87

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

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

DOW Facility 2000-2003 TRI Dioxin Data

TM-17

Dow Chemical		Plaquemine					Midland					Freeport					TOTAL				
		2003	2002	2001	2000	var.	2003	2002	2001	2000	var.	2003	2002	2001	2000	var.	2003	2002	2001	2000	var.
<b>TRI On-Site Reported Releases of Dioxins</b>																					
5.1 & 5.2	TOTAL Air Emissions	14.83	16.46	1.84	2.56	12.27	0.61	0.58	1.10	0.49	0.12	85.39	106.92	124.93	139.64	-54.25	100.83	123.96	127.86	142.69	-41.86
5.3.1	Surface Water Discharges	261.74	242.90	574.21	745.90	-484.16	0.89	4.30	2.56	5.69	-4.80	318.50	359.15	708.46	562.22	-243.72	581.13	606.35	1285.23	1313.81	-732.68
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	0.00
	TOTAL Release to Open Environmental	276.57	259.36	576.04	748.46	-471.89	1.50	4.88	3.67	6.18	-4.68	403.89	466.07	833.38	701.86	-297.97	681.96	730.31	1413.09	1456.50	-774.54
<b>TRI On-Site Disposal of Dioxins</b>																					
5.5.1A	Hazardous Waste Landfills	0.93	0.11	0.00	0.00	0.93	16253.50	2532.60	729.91	320.57	15932.93	19010.20	8882.10	9209.44	3855.60	15154.60	35264.63	11414.81	9939.35	4176.17	31088.46
5.5.1B	Other Landfills	1405.10	26.05	512.16	842.00	563.10	0.00	0.00	0.00	0.00	2808.50	2314.30	4143.99	0.00	2808.50	4213.60	2340.35	4656.15	842.00	3371.60	
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	81.00	65.00	83.82	120.60	-39.60	81.00	65.00	83.82	120.60	-39.60	
	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	
<b>TRI Transfers Off-Site for Further Waste Mgmt</b>																					
	TOTAL Off-Site Transfers	0.00	0.00	29.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	-0.09	0.00	0.00	29.02	0.09	-0.09	
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	0.00	0.00	29.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	-0.09	0.00	0.00	29.02	0.09	-0.09	
M72&M79	Transfers to Off-Site Land Disposal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
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	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	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	34300.30	36802.40	33828.00	13457.00	20843.30	27222.40	16147.40	61738.69	48779.10	-21556.70	7504.60	82486.60	96926.00	113244.00	-105739.40	69027.30	135436.40	192492.69	175480.10	-106452.80
8.7	Treated Off-Site	0.00	0.00	29.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.44	-0.44	0.00	0.00	29.02	13457.44	-13457.44	
8.8	Quantity Released*	0.00	0.00	0.00	0.00	0.00	16250.90	2532.50	729.73	320.50	15930.40	0.00	49.51	741.00	0.00	0.00	16250.90	2582.01	1470.73	320.50	15930.40

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

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