Appendix F2a

TRI MERCURY DATA, THE EIGHT GREAT LAKES STATES
(kg/yr)

REPORTING YEAR: 1992

GREAT LAKES BASIN	STATE	SICCODE	FACILITY NAME	ROLE OF MERCURY	SOURCE REDUCTION ACTIVITIES & ID METHODS	NONPT AIR	POINT AIR	WATER	UNDRGRND	LAND	POTW	OFFSITE	TOTAL RELEASES
Y	PA	2819	MALLINCKRODT SPECIALTY	1A1C1D2A	NA	250	250	0	0	0	5	1020	1525
N	PA	2819 3559	BETHLEHEM APPARATUS CO. INC.	1A1B1C1D2D	W52T04 W58T04	20	0	0	0	0	5	3	28
N	IL	2821	GE CHEMICALS INC.	2B	W42T02T11NA NA	0	0	0	0	0	0	0	0
N	MN	2911	KOCH REFINING CO.	1A1E1F3C	W52T01T04T05	5	100	0	0	0	0	23	128
Y	OH	3087	PMS CONSOLIDATED	2B		180	2	0	0	0	0	1079	1261
N	PA	3339 3341	ZINC CORP. OF AMERICA	1A1F	NA	0	14	0	0	0	0	168280	168294
N	NY	3341	MERCURY REFINING CO. INC.	1A1C1D2D	NA	250	5	5	0	5	0	5	270
Y	MI	3471	ELM METAL FINISHING USA	2C	NA	5	0	0	0	0	5	10	20
Y	OH	3641	GE CO.	2C3C	NA	500	1060	0	0	0	0	1954	3514
N	IL	3679	HONEYWELL INC.	2C	NA	0	4	0	0	0	0	5342	5346
Y	IN	3679	NERMASEAL CO.	2C	NA	0	0	0	0	0	0	0	0
Y	IN	3679	DURAKOOL INC.	2C	NA	5	0	0	0	0	5	0	10
N	WI	3692	RAYOVAC CORP.	2B		0	0	0	0	0	0	0	0
Y	MI	3843	KERR MFG. CO.	2D	NA	0	0	0	0	0	0	5650	5650

ROLE OF MERCURY AND ITS USES AT THE FACILITY

1 = Manufacture the toxic chemical
- A = Produce
- B = Import
- C = For on-site use/processing
- D = For sale/distribution
- E = As a byproduct
- F = As an impurity

2 = Process the toxic chemical
- A = As a reactant
- B = As a formulation component
- C = As an article component
- D = Repackaging

3 = Otherwise use the toxic chemical
- A = As a chemical processing aid
- B = As a manufacturing aid
- C = Ancillary or other use

SOURCE REDUCTION ACTIVITIES

- W13 = Improved maintenance scheduling, recordkeeping, or procedures
- W19 = Other changes in operating practices
- W36 = Implemented inspection or monitoring program of potential spill or leak sources
- W42 = Substituted raw materials
- W52 = Modified equipment, layout or piping
- W58 = Other process modifications
- W82 = Modified design or composition of product

METHODS USED TO ID SOURCE REDUCTION ACTIVITIES

- T01 = Internal Pollution Prev. Opportunity Audit
- T02 = External Pollution Prev. Opportunity Audit
- T03 = Materials Balance Audits
- T04 = Participative Team Management
- T05 = Employee Recommendation (independent of a formal company program)
- T10 = Vendor Assistance
- T11 = Other

Source: Toxic Chemical Release Inventory, data downloaded June 21, 1994

Appendix F2b

TRI MERCURY DATA, THE EIGHT GREAT LAKES STATES
(kg/yr)

REPORTING YEAR: 1991

GREAT LAKES BASIN	STATE	SICCODE	FACILITY NAME	ROLE OF MERCURY	SOURCE REDUCTION ACTIVITIES & ID METHODS	NONPT AIR	POINT AIR	WATER	UNDRGRND	LAND	POTW	OFFSITE	TOTAL RELEASES
N	NY	2812 2865	OCCIDENTAL CHEMICAL CORP.	2D	NA	1	0	0	0	0	14	2514	2529
N	NY	2819	OLIN CHEMICALS	3C	NA	0	0	3	0	0	13	2138	2154
Y	PA	2819	MALLINCKRODT SPECIALTY	1A1C1D2A	W13T10NA W36T01T03NA	250	250	0	0	0	5	750	1255
N	PA	2819 3559	BETHLEHEM APPARATUS CO. INC.	1A1C1D2D	NA	5	0	0	0	0	5	250	260
N	IL	2821	GE CHEMICALS INC.	2B	W42T02T11NA NA	0	0	0	0	0	0	0	0
N	OH	2821 3086	MONSANTO CO.	1B1C2B	NA	0	2	1	0	0	0	320	323
Y	OH	2821	SAJAR PLASTICS.	2B	NA	0	5	0	0	0	0	490	495
N	MN	2911	KOCH REFINING CO.	1A1E		0	0	0	0	0	0	0	0
N	MN	2911	KOCH REFINING CO.	1A1F	W52T01T04T05	3	120	0	0	0	0	1	124
Y	OH	3087	PMS CONSOLIDATED	2B	NA	49	1	0	0	0	0	296	346
N	PA	3333 3341	ZINC CORP. OF AMERICA	1A1F	NA	0	250	0	0	0	0	0	250
N	NY	3341	MERCURY REFINING CO. INC.	1A1C1D2D	NA	5	5	5	0	0	0	5	20
N	NY	3341	MERCURY REFINING CO. INC.	1A1C1D2D	NA	250	5	5	0	0	0	5	265
Y	MI	3471	ELM METAL FINISHING USA	2C	NA	5	0	0	0	0	5	5	15
Y	OH	3641	GE CO.	2C3C	W19T01NA NA	500	1780	0	0	2750	0	13450	18480
N	IL	3679	HONEYWELL INC.	2C	NA	0	4	0	0	0	0	7234	7238
Y	IN	3679	DURAKOOL INC.	2C2D	NA	5	0	0	0	0	5	0	10
Y	IN	3679	HERMASEAL CO.	2D	NA	5	0	0	0	0	0	0	5
N	WI	3692	RAYOVAC CORP.	2B	W58T01T04T11W82T01T04T11	0	0	0	0	0	0	26	26
Y	MI	3843	KERR MFG. CO.	2D	NA	0	0	0	0	0	0	2000	2000

ROLE OF MERCURY AND ITS USES AT THE FACILITY

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- F = As an impurity

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- B = As a formulation component
- C = As an article component
- D = Repackaging

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- A = As a chemical processing aid
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SOURCE REDUCTION ACTIVITIES

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- W82 = Modified design or composition of product

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- T01 = Internal Pollution Prev. Opportunity Audit
- T02 = External Pollution Prev. Opportunity Audit
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- T04 = Participative Team Management
- T05 = Employee Recommendation (independent of a formal company program)
- T10 = Vendor Assistance
- T11 = Other

Source: Toxic Chemical Release Inventory, data downloaded June 21, 1994

Appendix F2c

1992 NATIONWIDE TRI MERCURY DATA (KG/YR)

FACILITY NAME	STATE	SIC CODE	ROLE OF MERCURY	NONPT AIR	POINT AIR	WATER	UNDGRND	LAND	POTW	OFFSITE	TOTAL
GEORGIA-PACIFIC CORP.	WA	2611 2621	3A	1000	250	250	0	0	0	10610	12110
OCCIDENTAL CHEMICAL CORP.	AL	2812	3A	176	1	33	0	0	0	2286	2496
OCCIDENTAL CHEMICAL CORP.	DE	2812 NA	3A	430	40	15	0	0	0	4936	5421
LCP CHEMICALS	GA	2812	3A	1000	380	38	0	0	0	81	1499
OLIN CORP.	GA	2812 2819	3A	1046	271	12	0	0	0	5933	7262
BF GOODRICH	KY	2812 2821	3A	0	391	35	0	0	0	12902	13328
POINEER CHLOR ALKALI CO. INC.	LA	2812 NA	3A	0	1286	18	0	0	0	15229	16533
PPG IND. INC.	LA	2812 2816	3A	1100	160	24	0	0	0	327	1611
DOW CHEMICAL CO.	LA	2812 2821	2A3C	0	130	0	0	0	0	0	130
LCP CHEMICALS	ME	2812 2819	3A	743	13	4	0	1	0	1358	2118
LCP CHEMICALS	NC	2812 2819	3A	1046	49	4	0	0	0	326	1425
OLIN CORP.	TN	2812 NA	3A	1045	180	17	0	3111	0	743	1985
OCCIDENTAL CHEMICAL CORP.	TX	2812 2869	3A	1000	40	4	0	0	0	6130	7174
HANLIN CHEMICALS	WV	2812 2819	2D	0	0	28	0	0	0	69	97
PPG IND. INC.	WV	2812 2819	3A	1045	85	33	0	0	0	250	1413
BORDEN CHEMICALS & PLASTICS	LA	2813 2821	1B1C3A	0	0	14	9	0	0	1450	1473
BETHLEHEM APPARATUS CO. INC.	PA	2819 3559	1A1B1C1D2D	20	0	0	0	0	5	3	28
MALLINCKRODT SPECIALTY	PA	2819 NA	1A1C1D2A	250	250	0	0	0	5	1020	1525
GE CHEMICALS INC.	IL	2821 NA	2B	0	0	0	0	0	0	0	0
GE CHEMICALS INC.	WV	2821 NA	2B	0	1	29	0	17	0	2400	2430
COSAN CHEMICAL CORP.	NJ	2869 2879	2A	46	1	0	0	0	1	738	786
TEXACO REFINING & MARKETING	CA	2911 NA	1A1F	0	96	0	0	0	0	0	96
KOCH REFINING CO.	MN	2911	1A1E1F3C	5	100	0	0	0	0	23	128
COOPER TIRE & RUBBER CO.	AR	3069 3061	2A2C	5	5	0	0	0	0	4000	4010
PMS CONSOLIDATED	OH	3087 NA	2B	180	2	0	0	0	0	1079	1261
ZINC CORP. OF AMERICA	PA	3339 3341	1A1F	0	14	0	0	0	0	168280	168294

ROLE OF MERCURY AND ITS USES AT THE FACILITY

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- D = For sale/distribution
- E = As a byproduct
- F = As an impurity

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- B = As a formulation component
- C = As an article component
- D = Repackaging

3 = Otherwise use the toxic chemical
- A = As a chemical processing aid
- B = As a manufacturing aid
- C = Ancillary or other use

Source: Toxic Chemical Release Inventory, data downloaded March 28, 1994

Appendix F2d

1991 NATIONWIDE TRI MERCURY DATA (KG/YR)

FACILITY NAME	STATE	SIC CODE	ROLE OF MERCURY	AIR NONPT	AIR POINT	WATER	UNDGRND	LAND	POTW	OFFSITE	TOTAL
GEORGIA-PACIFIC CORP.	WA	2611 2621	3A	1000	250	250	0	0	0	14250	15750
OCCIDENTAL CHEMICAL CORP.	AL	2812	3A	93	89	49	0	0	0	4164	4395
OCCIDENTAL CHEMICAL CORP.	DE	2812	3A	488	44	19	0	0	0	8795	9346
LCP CHEMICALS	GA	2812	1B1C3A	1046	379	20	0	0	0	85	1530
OLIN CORP.	GA	2812 2819	3A	1000	270	15	0	0	0	5740	7025
BF GOODRICH	KY	2812 2821	3A	0	980	50	0	0	0	23383	24413
DOW CHEMICAL CO.	LA	2812 2821	2A3C	0	44	0	0	0	0	0	44
POINEER CHLOR ALKA'I CO. INC.	LA	2812 NA	3A	11	1286	17	0	0	0	41044	42358
PPG INDUSTRIES INC.	LA	2812 2816	3A	1060	162	11	0	0	0	857	2090
LCP CHEMICALS	ME	2812 2819	3A	869	21	4	0	1	0	2034	2929
LCP CHEMICALS	NC	2812 2819	3A	1046	49	3	0	0	0	282	1380
OCCIDENTAL CHEMICAL CORP.	NY	2812 2865	2D	1	0	0	0	0	14	2514	2529
OLIN CORP.	TN	2812	3A	1045	378	22	0	2335	0	1342	5122
OCCIDENTAL CHEMICAL CORP.	TX	2812 2869	3A	1000	230	5	0	0	0	11740	12975
HANLIN CHEMICALS	WV	2812 2819	3A	633	179	89	0	200	0	545	1646
BORDEN CHEMICALS & PLASTICS	LA	2813 2821	1B1C3A	0	0	11	9	0	0	62	82
AKZO CHEMICALS INC.	AL	2819 2812	3A	490	350	6	0	1	0	2700	3547
OLIN CHEMICALS	NY	2819	3C	0	0	3	0	0	13	2138	2154
BETHLEHEM APPARATUS CO. INC.	PA	2819 3559	1A1C1D2D	5	0	0	0	0	5	250	260
MALLINCKRODT SPECIALTY	PA	2819 NA	1A1C1D2A	250	250	0	0	0	5	750	1255
GE PLASTICS INC.	CA	2821 NA	2B2C	0	0	0	0	0	0	6	6
GE CHEMICALS INC.	IL	2821 NA	2B	0	0	0	0	0	0	0	0
MONSANTO CO.	OH	2821 3086	1B1C2B	0	2	1	0	0	0	320	323
SAJAR PLASTICS	OH	2821 NA	2B	0	5	0	0	0	0	490	495

ROLE OF MERCURY AND ITS USES AT THE FACILITY

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- D = Repackaging

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- B = As a manufacturing aid
- C = Ancillary or other use

Source: Toxic Chemical Release Inventory, data downloaded April 21, 1993

1991 NATIONWIDE TRI MERCURY DATA (KG/YR)

FACILITY NAME	STATE	SIC CODE	ROLE OF MERCURY	AIR NONPT	AIR POINT	WATER	UNDGRND	LAND	POTW	OFFSITE	TOTAL
RAYOVAC CORP.	WI	3692	2B	0	0	0	0	26	0	26	52
KERR MANUFACTURING CO.	MI	3843	2D	0	0	0	0	0	0	2000	2000
NASA	MS	9661 NA	3C	5	0	0	0	0	0	0	5
NASA	MS	9661 NA	3C	250	0	0	0	5	0	250	505
Total Number of Facilities:	52*		TOTALS	12162	7830	671	9	5320	64	171392	197448

18.13 % (35,795 kg/yr) of Total Releases and Transfers of Mercury came from Great Lakes States

*TRI information may be edited after it is originally reported. The 1991 reporting year data shown in this table reflect a TRI download performed nearly concurrently with the TRI information published in April 1993, with one exception. One Great Lakes facility that had reported mercury releases in this version of TRI was no longer included in a later version of TRI. To maintain consistency with 1991 TRI mercury data pulled specifically for the Great Lakes states (downloaded 6/21/94), that facility was removed from this table.

ROLE OF MERCURY AND ITS USES AT THE FACILITY

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- B = As a manufacturing aid
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Source: Toxic Chemical Release Inventory, data downloaded April 21, 1993