



## Appendix F - 2

### 2005 RPPR Annual Report

### Summary of 2005 Materials Accounting Data

### Cancer-Causing Substances (Carcinogens)

Appendix to  
**The Release and Pollution Prevention  
and Community Right To Know Annual Report  
for  
Reporting Years 2005 & 2006**

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## **Summary**

There are at least 172 chemicals and compound categories on the TRI Toxic Chemical list that have potential links to causing cancer. These chemicals have been identified through the Hazard Communication Standard (29 CFR 1910.1200) of the Occupational Safety and Health Administration (OSHA). Other substances on the TRI list have also been identified as carcinogens through reviews of toxicology research conducted by various federal and state agencies but are not identified as such on the TRI list. The NJDEP assesses potential cancer risks from releases of these chemicals to the environment in its regulatory decisions, such as developing air and water permit limits for sources that release such substances.

There were 326 facilities that submitted 674 reports on 68 of these carcinogens for RY 2005. Use of carcinogenic substances exceeded 7.5 billion pounds for 2005. Methyl tert-butyl ether (MTBE) was #1 in 2005 in Use for 2005. The top 10 carcinogens accounted more than 96% of total Use and the top 20 accounted for 99.6% of all carcinogen Use. Use of carcinogens was largely dominated by facilities in the petroleum refining and marketing industry groups.

Environmental releases of carcinogens are of particular concern due to the nature of their potential impacts on human health. Human exposure to carcinogens may also occur at facilities during the handling and processing of these substances as raw materials and products, as well as during waste management operations both on site and off site. The data show that of the Use quantity for carcinogens, 0.4% was generated as nonproduct output (NPO) for 2005.

Of the carcinogen NPO for 2005, 3% was released to the environment from on-site sources, 22.3% was managed on site, and the remainder, 74.7% was transferred off site for further waste management. Of all 2005 carcinogen NPO, 80.3% (almost 26.5 million pounds) was reported as on-site or off-site recycling.

Statewide Materials Accounting Summary<sup>1</sup> – 2005 RPPR Carcinogens

	2005
Number of Facilities	326
Number of Substance Reports	674
Starting Inventory	324,011,050
Starting Inventory as NPO	304,993
Manufactured	1,918,386,829
Brought on Site	5,581,589,838
Brought on Site as Recycled	84,576,585
Consumed	1,402,624,507
Shipped	6,066,018,569
Ending Inventory	333,317,222
Ending Inventory as NPO	271,471
NPO	32,945,375
On-Site Releases	989,620
Stack Air Emissions	696,301
Fugitive Air Emissions	180,614
Surface Water Discharge	50,654
Ground Water Discharge	0
Land Disposal on-site	62,051
On-Site Management	7,376,341
Recycled & Reused on-site	4,877,441
Energy Recovered on-site	574
Destroyed on-site	2,498,326
EI(as NPO) - SI(as NPO)	33521
Off-Site Transfers	24,612,936
POTW Discharge	188,728
Waste Transfer - Recycling	21,587,532
Waste Transfer - Energy Recovery	1,633,290
Waste Transfer - Treatment	682,137
Waste Transfer - Disposal	521,151
Total Substance USE or Throughput	7,501,588,451

1. All quantities are reported in pounds per year, except for “# of Facilities” and “# of Reports”

Throughput Data Summary<sup>1</sup> by County – 2005 RPPR Carcinogens

COUNTY	# of Facilities	# of Reports	I N P U T S				O U T P U T S				USE
			Starting Inventory	Manufactured	Brought on Site	Recycled & Reused on-site	Consumed	Shipped as (or in) Product	Ending Inventory	Nonproduct Output	
ATLANTIC	8	8	26,706	0	454,497	0	400,936	583	26,012	54,399	455,918
BERGEN	33	53	1,739,019	0	37,160,012	16,844	9,912,139	25,975,100	1,610,399	1,342,325	37,229,564
BURLINGTON	22	40	2,956,562	419,066	110,016,994	151,082	102,002,430	5,677,913	4,100,537	1,797,888	109,478,231
CAMDEN	13	23	7,564,236	27	270,437,769	6,597	0	269,680,968	8,229,292	98,099	269,779,067
CAPE MAY	1	7	80,540	76	226,520	0	173,422	50,100	80,433	3,203	226,724
CUMBERLAND	5	9	100,327	35	734,546	250	653,123	15,517	73,627	92,557	761,197
ESSEX	28	60	6,916,515	0	251,081,660	0	9,608,324	243,246,053	6,840,843	175,855	253,030,232
GLOUCESTER	15	53	54,649,374	637,606,194	1,367,168,790	0	461,483,254	1,532,153,036	64,623,612	1,181,094	1,994,817,383
HUDSON	16	32	1,637,639	242	18,227,423	1,516,578	656,304	17,408,717	1,586,925	1,727,371	19,792,392
HUNTERDON	9	15	125,538	27	799,256	2,063	462	702,936	114,598	111,258	814,656
MERCER	8	16	165,043	215	2,914,406	150	1,392	2,742,700	167,957	174,584	2,918,676
MIDDLESEX	57	126	122,663,990	236,237,028	1,606,510,839	2,729,695	169,608,582	1,648,298,803	130,786,374	19,037,012	1,836,944,398
MONMOUTH	6	6	342,889	0	6,145,836	14,523	0	6,391,014	90,923	23,735	6,414,750
MORRIS	24	37	2,797,782	0	24,539,554	430,102	3,384,870	15,695,497	5,755,211	2,942,970	22,023,337
OCEAN	4	4	4,871	0	73,090	6,051	30,102	25,129	1,289	28,567	83,798
PASSAIC	23	31	2,093,624	89	22,304,995	145	1,397,841	20,237,348	1,523,075	1,074,586	22,709,775
SALEM	10	52	10,755,962	37,404,044	513,544,488	48	551,220,698	77,790	8,902,536	1,125,661	552,424,149
SOMERSET	9	21	1,722,816	1,657	12,682,720	0	4,552,587	7,924,663	1,581,285	521,614	12,998,864
SUSSEX	1	1	52,944	0	689	0	0	0	32,827	23,941	23,941
UNION	25	61	103,486,256	1,006,718,129	1,255,464,382	2,488	7,482,029	2,267,621,988	94,336,475	1,133,212	2,276,237,229
WARREN	9	19	4,128,417	0	81,101,372	825	80,056,014	2,092,712	2,852,993	275,445	82,424,171
<b>SUM:</b>	<b>326</b>	<b>674</b>	<b>324,011,050</b>	<b>1,918,386,829</b>	<b>5,581,589,838</b>	<b>4,877,441</b>	<b>1,402,624,507</b>	<b>6,066,018,569</b>	<b>333,317,222</b>	<b>32,945,375</b>	<b>7,501,588,451</b>

1. All quantities are reported in pounds per year, except for “# of Facilities” and “# of Reports.”

Releases and Transfers Data Summary<sup>1</sup> by County – 2005 RPPR

COUNTY	Stack Air Emissions	Fugitive Air Emissions	Surface Water Discharge	Ground Water Discharge	Land Disposal on-site	On-Site Releases	POTW Discharge	Waste Transfer - Recycling	Waste Transfer - Energy Recovery	Waste Transfer - Treatment	Waste Transfer - Disposal	Off-Site Transfers	COUNTY
ATLANTIC	40,844	12,161	0	0	0	53,005	7	0	661	312	413	1,394	ATLANTIC
BERGEN	10,028	1,966	0	0	0	11,994	837	1,162,845	64,632	3,181	69,762	1,301,257	BERGEN
BURLINGTON	170,811	12,943	80	0	0	183,834	6,923	223,935	33,067	122,672	85,656	472,253	BURLINGTON
CAMDEN	7,467	3,441	4	0	0	10,911	26	6,457	66,604	6,818	889	80,794	CAMDEN
CAPE MAY	2,108	2	435	0	0	2,545	0	0	0	0	658	658	CAPE MAY
CUMBERLAND	69,231	58	41	0	0	69,330	0	0	11,841	244	10,881	22,966	CUMBERLAND
ESSEX	12,245	16,042	49	0	0	28,336	44,117	49,526	22,080	51	29,727	145,501	ESSEX
GLOUCESTER	78,092	39,776	9,647	0	0	127,515	396	54,430	708,993	85,487	29,518	878,824	GLOUCESTER
HUDSON	2,403	707	1,731	0	0	4,840	8	71,534	4,781	960	143,152	220,436	HUDSON
HUNTERDON	88	33	7	0	0	128	0	104,766	0	0	3,910	108,676	HUNTERDON
MERCER	2,552	1,063	3,544	0	0	7,159	2	68,677	7,637	5,935	1,079	83,330	MERCER
MIDDLESEX	148,769	21,056	1,970	0	18,098	189,893	23,654	15,086,756	310,533	298,113	22,351	15,741,407	MIDDLESEX
MONMOUTH	1,856	0	0	0	0	1,856	1	5,683	0	547	1,125	7,356	MONMOUTH
MORRIS	21,210	1,498	14	0	0	22,722	20	2,443,143	33,387	7,836	7,277	2,491,663	MORRIS
OCEAN	3,612	10	0	0	0	3,622	1	223	3,838	604	0	4,666	OCEAN
PASSAIC	1,574	465	0	0	0	2,039	44	975,206	0	354	14,767	990,371	PASSAIC
SALEM	40,132	5,282	29,974	0	33,493	108,881	402	4	245,012	133,806	63,911	443,135	SALEM
SOMERSET	9,286	954	0	0	10,460	20,701	251	485,514	11,922	856	383	498,926	SOMERSET
SUSSEX	2,241	9,880	0	0	0	12,121	0	8,685	0	0	0	8,685	SUSSEX
UNION	50,234	47,575	1,488	0	0	99,297	112,039	807,032	26,480	849	20,013	966,413	UNION
WARREN	21,519	5,700	1,671	0	0	28,890	0	33,116	81,821	13,513	15,678	144,226	WARREN
SUM:	696,301	180,614	50,654	0	62,051	989,620	188,728	21,587,532	1,633,290	682,137	521,151	24,612,936	

1. All quantities are reported in pounds per year.

Number of Facilities and Reports for Carcinogens by 3-Digit NAICS<sup>1</sup> Group – 2005 RPPR<sup>2</sup>

<b>NAICS Code</b>	<b>Description</b>	<b># of Facilities</b>	<b># of Reports</b>
221	Utilities	15	53
311	Food Manufacturing	3	5
312	Beverage and Tobacco Product Manufacturing	1	1
313	Textile Mills	1	1
316	Leather and Allied Product Manufacturing	1	3
321	Wood Product Manufacturing	1	2
322	Paper Manufacturing	10	13
323	Printing and Related Support Activities	6	6
324	Petroleum and Coal Products Manufacturing	12	48
325	Chemical Manufacturing	85	193
326	Plastics and Rubber Products Manufacturing	22	33
327	Nonmetallic Mineral Product Manufacturing	17	21
331	Primary Metal Manufacturing	30	53
332	Fabricated Metal Product Manufacturing	31	49
333	Machinery Manufacturing	9	11
334	Computer and Electronic Product Manufacturing	28	28
335	Electrical Equipment, Appliance, and Component Mfg	11	11
336	Transportation Equipment Manufacturing	10	16
339	Miscellaneous Manufacturing	7	10
424	Merchant Wholesalers, Nondurable Goods	23	112
511	Publishing Industries (except Internet)	1	1
541	Professional, Scientific, and Technical Services	1	2
562	Waste Management and Remediation Services	1	2
Total:		326	674

1. NAICS – North American Industry Classification System
2. For business activity classification, the Standard Industrial Classification (SIC) code system was in effect for report year (RY) 2005. The NAICS groupings that are listed here were in effect for RY 2006 and are based on a facility's coding as of this report date.

Chemical Use, Nonproduct Output & On-Site Releases Summary<sup>1</sup> for Carcinogens  
by 3-Digit NAICS<sup>2</sup> Group – 2005 RPPR<sup>3</sup>

NAICS Code	# of Facility	# of Reports	Use (pounds)	Nonproduct Output (pounds)	On-Site Releases (pounds)
324	12	48	3,852,280,290	495,140	220,707
424	23	112	2,449,631,322	359,881	141,827
325	85	193	812,455,160	3,314,542	177,355
326	22	33	207,202,453	1,201,266	124,378
335	11	11	89,118,551	14,918,813	2,769
331	30	53	39,800,558	8,095,817	10,851
221	15	53	27,711,569	53,346	12,043
336	10	16	12,429,608	1,860,277	187,664
321	1	2	3,542,408	35,890	372
332	31	49	2,872,627	766,777	52,198
339	7	10	1,712,855	1,114,763	3,402
333	9	11	1,646,005	84,821	14,421
327	17	21	355,368	51,690	27,652
322	10	13	239,825	84,338	9,080
562	2	2	112,588	112,588	6
313	1	1	104,957	104,957	2,624
511	1	1	100,167	100,167	0
334	28	28	99,839	82,999	891
316	1	3	77,972	29,641	24
311	3	5	53,443	40,215	1,356
323	6	6	39,447	37,447	0
541	1	2	1,306	0	0
312	1	1	134	0	0
<b>Sum:</b>	<b>326</b>	<b>674</b>	<b>7,501,588,451</b>	<b>32,945,375</b>	<b>989,620</b>

1. All quantities are reported in pounds per year, except for “# of Facilities” and “# of Reports”
2. NAICS – North American Industry Classification System
3. For business activity classification, the Standard Industrial Classification (SIC) code system was in effect for report year (RY) 2005. The NAICS groupings that are listed here were in effect for RY 2006 and are based on a facility’s coding as of this report date.

Throughput Data Summary<sup>1</sup> for Carcinogens by NAICS Code – 2005 RPPR

NAICS CODE	# of Facilities	# of Records	INPUTS				OUTPUTS				USE
			Starting Inventory	Manufactured	Brought on Site	Recycled & Reused on-site	Consumed	Shipped	Ending Inventory	NPO	
221	15	53	3,819,011	29,914	27,557,920	0	27,335,891	322,333	3,632,395	53,346	27,711,569
311	3	5	8,686	11,287	39,357	0	13,154	74	7,210	40,215	53,443
312	1	1	0	0	134	0	134	0	0	0	134
313	1	1	12,219	0	100,088	0	0	0	7,350	104,957	104,957
316	1	3	5,836	0	75,981	0	7,548	40,783	3,174	29,641	77,972
321	1	2	303,593	0	3,992,718	0	0	3,506,518	789,800	35,890	3,542,408
322	10	13	8,604	28,741	207,489	537	35,211	120,276	5,290	84,338	239,825
323	6	6	27,682	89	17,795	16,844	0	2,000	25,261	37,447	39,447
324	12	48	165,394,628	1,816,850,610	2,033,475,175	35,327	422,909,152	3,428,875,998	168,594,376	495,140	3,852,280,290
325	84	193	21,659,058	99,072,433	713,763,549	180,861	765,775,307	43,365,309	22,058,540	3,314,542	812,455,160
326	22	33	2,854,513	0	207,386,729	2,017	184,992,566	21,008,621	3,049,362	1,201,266	207,202,453
327	17	21	130,670	1,657	342,963	369	20,578	283,099	117,511	51,690	355,368
331	30	53	5,292,285	232,571	37,331,018	4,196,424	30,226	31,674,515	7,278,320	8,095,817	39,800,558
332	31	49	523,583	42,091	2,773,787	0	367,244	1,738,606	457,330	766,777	2,872,627
333	9	11	75,356	0	1,651,346	0	173,568	1,387,616	72,856	84,821	1,646,005
334	28	28	32,110	0	92,067	0	0	16,841	24,901	82,999	99,839
335	11	11	630,027	0	88,758,809	0	0	74,199,738	116,931	14,918,813	89,118,551
336	10	16	2,576,147	66	12,219,420	429,565	891,966	9,677,365	2,796,309	1,860,277	12,429,608
339	7	10	41,202	0	1,705,423	1,600	64,147	533,945	50,089	1,114,763	1,712,855
424	23	112	120,561,777	2,117,370	2,449,879,450	13,897	6,509	2,449,264,932	124,188,106	359,881	2,449,631,322
511	1	1	36,301	0	104,117	0	0	0	40,252	100,167	100,167
541	1	2	0	0	1,306	0	1,306	0	0	0	1,306
562	2	2	17,732	0	113,197	0	0	0	1,859	112,588	112,588
SUM:	326	674	324,011,050	1,918,386,829	5,581,589,838	4,877,441	1,402,624,507	6,066,018,569	333,317,222	32,945,375	7,501,588,451

1. All quantities are reported in pounds per year, except for “# of Facilities” and “# of Reports”



Releases and Transfers Data Summary<sup>1</sup> for Carcinogens by NAICS Code – 2005 RPPR

NAICS CODE	# of Facilities	# of Records	Stack Air Emissions	Fugitive Air Emissions	Surface Water Discharge	Land Disposal on-site	On-Site Releases	POTW Discharges	Waste Transfers Recycling	Waste Transfer Energy Recovery	Waste Transfers Treatment	Waste Transfers Disposal	Off-Site Transfers
221	15	53	5,773	524	5,746	0	12,043	0	6,844	274	244	33,931	41,293
311	3	5	1,356	0	0	0	1,356	513	27,750	0	0	0	28,263
312	1	1	0	0	0	0	0	0	0	0	0	0	0
313	1	1	2,624	0	0	0	2,624	31	90,562	11,740	0	0	102,333
316	1	3	24	0	0	0	24	696	0	0	0	28,921	29,617
321	1	2	133	239	0	0	372	4,532	0	30,986	0	0	35,518
322	10	13	8,927	152	1	0	9,080	22,235	0	0	604	4,615	27,454
323	6	6	0	0	0	0	0	0	18,159	0	0	152	18,311
324	12	48	134,101	56,049	12,458	18,098	220,707	33	54,918	3,509	6,709	12,150	77,319
325	84	193	86,822	25,191	31,850	33,493	177,355	159,458	212,696	1,456,634	367,461	72,534	2,268,782
326	22	33	112,831	11,450	97	0	124,378	417	69,669	0	10,648	2,294	83,028
327	17	21	195	16,996	0	10,460	27,652	273	10,550	0	75	17,036	27,935
331	30	53	8,912	1,917	22	0	10,851	410	3,397,447	40,862	254,353	109,781	3,802,950
332	31	49	29,039	23,152	7	0	52,198	27	342,265	30,889	624	19,559	393,364
333	9	11	14,421	0	0	0	14,421	58	2,631	33,387	16,205	25,910	78,191
334	28	28	450	441	0	0	891	3	26,832	10,991	583	2	38,412
335	11	11	2,736	15	18	0	2,769	16	14,913,642	0	0	695	14,914,353
336	10	16	177,929	9,735	0	0	187,664	19	1,207,656	12,585	22,497	18	1,242,775
339	7	10	3,382	20	0	0	3,402	7	1,029,542	0	0	67,982	1,097,531
424	23	112	106,645	34,730	451	0	141,827	0	71,351	15	1,765	3,754	76,885
511	1	1	0	0	0	0	0	0	100,167	0	0	0	100,167
541	1	2	0	0	0	0	0	0	0	0	0	0	0
562	2	2	0	1	4	0	6	0	4,852	1,417	369	121,818	128,455
SUM:	326	674	696,297	180,612	50,654	62,051	989,620	188,728	21,587,533	1,633,289	682,137	521,152	24,612,936

1. All quantities are reported in pounds per year, except for “# of Facilities” and “# of Reports”

Releases and Transfers Data Summary for Carcinogens by Substance Name – 2005 RPPR  
 (All quantities are reported in pounds per year, except for “# of Reports”)

CAS #	Chemical Name	# of Reports	Stack Air Emissions	Fugitive Air Emissions	Surface Water Discharge	Land Disposal on-site	On-Site Releases	POTW Discharge	Waste Transfer - Recycling	Waste Transfer - Energy Recovery	Waste Transfer - Treatment	Waste Transfer - Disposal	Off-Site Transfers
106-88-7	1,2-BUTYLENE OXIDE	1	0	25	0	0	25	0	0	0	0	0	0
107-06-2	1,2-DICHLOROETHANE	1	0	0	0	0	0	11	0	4	18	0	33
78-87-5	1,2-DICHLOROPROPANE	1	9,040	450	3	0	9,493	0	0	0	104,000	0	104,000
106-99-0	1,3-BUTADIENE	4	121	5,097	0	0	5,218	0	0	0	0	0	0
106-46-7	1,4-DICHLOROBENZENE	2	0	228	0	0	228	0	0	0	0	0	0
88-06-2	2,4,6-TRICHLOROPHENOL	1	60	0	1,246	9	1,315	0	0	0	0	8	8
612-83-9	3,3-DICHLOROBENZIDINE DIHYDROCHLORIDE	1	0	0	0	0	0	0	0	0	0	0	0
101-14-4	4,4-METHYLENEBIS(2-CHLOROANILINE)	1	0	0	0	0	0	0	0	1	0	0	1
75-07-0	ACETALDEHYDE	3	1,509	5	3	0	1,517	0	0	6	479	0	485
79-06-1	ACRYLAMIDE	2	8	10	0	0	18	26	0	0	238	0	264
107-13-1	ACRYLONITRILE	3	67	28	0	0	95	0	0	120	6,574	0	6,694
62-53-3	ANILINE (AND SALTS)	3	1,415	82	0	74	1,571	491	0	347	0	9	847
N020	ARSENIC COMPOUNDS	6	1,513	0	1,275	0	2,788	1	1	0	1	12,275	12,278
71-43-2	BENZENE	21	28,359	17,551	470	6,144	52,524	23	2,941	1,426	4,653	203	9,246
191-24-2	BENZO(G,H,I)PERYLENE	40	36	4	0	0	40	0	4	0	27	147	178
98-07-7	BENZOIC TRICHLORIDE	1	0	0	0	0	0	0	0	18,057	0	0	18,057
100-44-7	BENZYL CHLORIDE	2	1,575	1,342	222	53	3,192	0	0	646,565	0	1,423	647,988
7440-43-9	CADMIUM	1	0	0	0	0	0	0	258	0	0	0	258
N078	CADMIUM COMPOUNDS	2	5	0	0	0	5	1	0	0	175	4,888	5,064
120-80-9	CATECHOL	2	2	0	1	57	60	0	0	2,280	0	0	2,280
57-74-9	CHLORDANE	1	0	0	1	1	2	0	0	0	0	12	12
67-66-3	CHLOROFORM	4	7,660	800	341	0	8,801	22,396	0	10,612	489	8	33,505
74-87-3	CHLOROMETHANE	1	1,126	0	54	0	1,180	0	0	0	1	1	2
7440-47-3	CHROMIUM	21	746	58	9	0	813	6	1,197,367	6,152	1,912	25,887	1,231,324
N090	CHROMIUM COMPOUNDS	29	1,988	741	4,398	11,753	18,880	744	212,828	260	430	54,708	268,970
7440-48-4	COBALT	7	952	0	1	0	953	2	1,057,833	6,245	1,556	46,683	1,112,319
N096	COBALT COMPOUNDS	15	1,042	27	254	3,295	4,618	424	9,800	21	167	8,428	18,840
8001-58-9	CREOSOTE	1	133	239	0	0	372	4,459	0	30,489	0	0	34,948

2005 RPPR F-2 Cancer-causing Substances

Data Last Updated 9/5/2008

**Releases and Transfers Data Summary for Carcinogens by Substance Name – 2005 RPPR**  
 (All quantities are reported in pounds per year, except for “# of Reports”)

CAS #	Chemical Name	# of Reports	Stack Air Emissions	Fugitive Air Emissions	Surface Water Discharge	Land Disposal on-site	On-Site Releases	POTW Discharge	Waste Transfer - Recycling	Waste Transfer - Energy Recovery	Waste Transfer - Treatment	Waste Transfer - Disposal	Off-Site Transfers
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]	11	1,952	231	0	0	2,183	0	213	1,973	91	1,562	3,839
25376-45-8	DIAMINOTOLUENE (MIXED ISOMERS)	1	0	0	0	0	0	0	0	0	0	0	0
25321-22-6	DICHLOROBENZENE (MIXED ISOMERS)	1	29	0	2	413	444	0	0	0	2	2,633	2,635
75-09-2	DICHLOROMETHANE	17	58,404	32,559	251	11	91,225	112,085	207,765	74,174	100,608	9	494,641
64-67-5	DIETHYL SULFATE	1	0	0	0	0	0	0	0	0	0	0	0
101-90-6	DIGLYCIDYL RESORCINOL ETHER	2	2	0	0	0	2	260	0	1,886	0	510	2,656
77-78-1	DIMETHYL SULFATE	1	0	0	0	0	0	0	0	0	0	0	0
106-89-8	EPICHLOROHYDRIN	3	2,632	452	15,855	67	19,006	45,027	15	0	0	0	45,042
140-88-5	ETHYL ACRYLATE	6	92	233	1	0	326	6	0	299	20,358	0	20,663
100-41-4	ETHYLBENZENE	41	25,274	23,920	255	1,319	50,768	14	15,298	580,520	26,969	1,814	624,615
75-21-8	ETHYLENE OXIDE	4	557	2,276	0	0	2,833	0	0	0	0	0	0
96-45-7	ETHYLENE THIOUREA	1	0	0	0	0	0	0	0	0	5,935	0	5,935
50-00-0	FORMALDEHYDE	13	6,593	137	0	32	6,762	0	0	2,629	1,189	4	3,822
76-44-8	HEPTACHLOR	1	1	0	2	0	3	0	0	0	0	2	2
118-74-1	HEXACHLOROENZENE	3	18	1	19	220	257	0	0	0	2,430	132	2,562
67-72-1	HEXACHLOROETHANE	1	0	0	0	0	0	0	0	0	0	0	0
302-01-2	HYDRAZINE	4	5	0	0	0	5	0	0	0	0	0	0
7439-92-1	LEAD	68	2,792	922	5	8,143	11,861	32	1,725,492	180	16,313	43,972	1,786,087
N420	LEAD COMPOUNDS	96	7,813	1,466	889	2,008	12,177	49	15,153,825	1,467	294,732	262,485	15,712,558
1634-04-4	METHYL TERT-BUTYL ETHER	18	198,244	40,765	11,226	5,452	255,687	0	20,443	139	9,059	1,890	31,531
91-20-3	NAPHTHALENE	38	14,251	7,468	447	0	22,166	1	49,515	120,666	4,926	2,373	177,481
7440-02-0	NICKEL	26	1,403	100	796	0	2,299	847	1,753,140	20,989	4,820	10,926	1,790,722
N495	NICKEL COMPOUNDS	16	2,181	143	12,313	19,750	34,387	358	66,129	0	29	27,550	94,066
98-95-3	NITROBENZENE	1	5,246	0	15	59	5,320	0	0	1	37	123	161
90-04-0	O-ANISIDINE	1	0	0	0	0	0	0	0	0	0	0	0
N583	POLYCHLORINATED ALKANES	3	0	0	0	0	0	0	0	42	0	4,234	4,276
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	2	0	1	0	7	8	0	0	0	0	25	25
N590	POLYCYCLIC AROMATIC COMPOUNDS	54	1,034	270	201	2,486	3,991	73	67	535	727	4,997	6,399
75-55-8	PROPYLENEIMINE	1	56	91	0	0	147	0	0	0	0	10	10
75-56-9	PROPYLENE OXIDE	4	453	845	0	0	1,298	0	0	0	0	0	0
132-27-4	SODIUM O-PHENYLPHENOXIDE	1	0	1	0	0	1	0	0	0	0	7	7
100-42-5	STYRENE	24	186,188	16,838	3	0	203,029	259	0	79,892	19,916	0	100,067

2005 RPPR F-2 Cancer-causing Substances

Data Last Updated 9/5/2008

Releases and Transfers Data Summary for Carcinogens by Substance Name – 2005 RPPR  
 (All quantities are reported in pounds per year, except for “# of Reports”)

CAS #	Chemical Name	# of Reports	Stack Air Emissions	Fugitive Air Emissions	Surface Water Discharge	Land Disposal on-site	On-Site Releases	POTW Discharge	Waste Transfer - Recycling	Waste Transfer - Energy Recovery	Waste Transfer - Treatment	Waste Transfer - Disposal	Off-Site Transfers
127-18-4	TETRACHLOROETHYLENE [PERCHLOROETHYLENE]	19	19	121	0	0	140	0	0	0	233	0	233
584-84-9	TOLUENE-2,4-DIISOCYANATE	1	6	0	0	0	6	0	0	0	0	0	0
26471-62-5	TOLUENE DIISOCYANATE (MIXED ISOMERS)	7	340	187	0	0	527	0	0	0	52,853	0	52,853
79-01-6	TRICHLOROETHYLENE	7	8,036	11,843	0	0	19,879	44	114,266	11,740	171	0	126,221
1582-09-8	TRIFLURALIN	1	6	0	0	698	704	0	0	0	0	0	0
51-79-6	URETHANE	1	0	13	0	0	13	0	0	0	0	0	0
108-05-4	VINYL ACETATE	10	89,110	561	0	0	89,671	1,088	332	13,572	0	1,177	16,169
75-01-4	VINYL CHLORIDE	3	26,207	12,483	96	0	38,786	0	0	0	19	37	56
		<b>674</b>	<b>696,301</b>	<b>180,614</b>	<b>50,654</b>	<b>62,051</b>	<b>989,620</b>	<b>188,728</b>	<b>21,587,532</b>	<b>1,633,290</b>	<b>682,137</b>	<b>521,151</b>	<b>24,612,936</b>

## Top 20 Carcinogens for Chemical Use – 2005 RPPR

### Top 20 Carcinogens Used

CAS Number	SUBSTANCE NAME	USE (pounds)	% of Total
1634-04-4	METHYL TERT-BUTYL ETHER	3,210,441,428	42.80 %
100-41-4	ETHYLBENZENE	1,324,465,702	17.66 %
71-43-2	BENZENE	1,116,074,960	14.88 %
91-20-3	NAPHTHALENE	631,781,513	8.42 %
75-01-4	VINYL CHLORIDE	535,540,441	7.14 %
7439-92-1 & N420	LEAD & COMPOUNDS	105,294,725	1.40 %
100-42-5	STYRENE	101,592,245	1.35 %
108-05-4	VINYL ACETATE	71,926,218	0.96 %
75-21-8	ETHYLENE OXIDE	65,261,195	0.87 %
100-44-7	BENZYL CHLORIDE	61,412,716	0.82 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	61,222,395	0.82 %
98-95-3	NITROBENZENE	37,192,619	0.50 %
75-56-9	PROPYLENE OXIDE	26,628,370	0.35 %
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]	24,921,431	0.33 %
140-88-5	ETHYL ACRYLATE	24,697,798	0.33 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	22,939,208	0.31 %
7440-02-0 & N495	NICKEL & COMPOUNDS	18,626,478	0.25 %
26471-62-5	TOLUENE DIISOCYANATE (MIXED ISOMERS)	12,809,309	0.17 %
106-99-0	1,3-BUTADIENE	11,029,293	0.15 %
50-00-0	FORMALDEHYDE	7,941,578	0.11 %
<b>Sum of Top 20:</b>		<b>7,471,799,622</b>	<b>99.60 %</b>
<b>Sum Other:</b>		<b>29,788,829</b>	<b>0.40 %</b>
<b>Sum All:</b>		<b>7,501,588,451</b>	<b>100.00 %</b>

### Top 20 Facilities for Use of Carcinogens

FACILITY NAME (CITY)	COUNTY	USE (pounds)	% of Total
CONOCOPHILLIPS CO (LINDEN)	UNION	1,666,915,458	22.22 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	1,095,212,575	14.60 %
HESS CORPORATION (PORT READING)	MIDDLESEX	590,569,182	7.87 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	503,545,024	6.71 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	488,358,939	6.51 %
BP PRODUCTS NORTH AMERICA INC (CARTERET)	MIDDLESEX	381,145,561	5.08 %
OXY VINYL LP (PEDRICKTOWN)	SALEM	363,049,968	4.84 %
GULFOIL LIMITED PARTNERSHIP (THOROFARE)	GLOUCESTER	330,428,044	4.40 %
CITGO PETROLEUM CORPORATION (LINDEN)	UNION	314,856,192	4.20 %
HESS CORPORATION (PENNSAUKEN)	CAMDEN	260,701,123	3.48 %
GULFOIL LIMITED PARTNERSHIP (LINDEN)	UNION	245,934,145	3.28 %
MOTIVA ENTERPRISES LLC (NEWARK)	ESSEX	163,762,636	2.18 %
HESS CORPORATION (PERTH AMBOY)	MIDDLESEX	101,090,458	1.35 %
POLYONE CORPORATION (OLDMANS TWP)	SALEM	90,715,853	1.21 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	85,206,955	1.14 %
BASF CORPORATION -DEL- (WASHINGTON)	WARREN	79,945,134	1.07 %
JOHNSON CONTROLS BATTERY GROUP INC (NEW BRUNSWICK)	MIDDLESEX	76,056,533	1.01 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	67,488,779	0.90 %
EIDUPONT DENEMOURS & CO INC (PENNSVILLE)	SALEM	63,082,419	0.84 %
FERRO CORP (LOGAN TWP)	GLOUCESTER	61,302,368	0.82 %
<b>Sum of Top 20:</b>		<b>7,029,367,345</b>	<b>93.71 %</b>
<b>Sum Other:</b>		<b>472,221,106</b>	<b>6.29 %</b>
<b>Sum All:</b>		<b>7,501,588,451</b>	<b>100.00 %</b>

## Top 20 Carcinogens Manufactured (Produced On Site) – 2005 RPPR

### Top 20 Carcinogens Produced On Site

CAS Number	SUBSTANCE NAME	Produced On Site (pounds)	% of Total
100-41-4	ETHYLBENZENE	876,222,095	45.67 %
71-43-2	BENZENE	431,000,800	22.47 %
91-20-3	NAPHTHALENE	290,002,035	15.12 %
1634-04-4	METHYL TERT-BUTYL ETHER	203,217,262	10.59 %
100-44-7	BENZYL CHLORIDE	61,471,205	3.20 %
98-95-3	NITROBENZENE	37,191,089	1.94 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	10,057,218	0.52 %
106-99-0	1,3-BUTADIENE	8,416,345	0.44 %
62-53-3	ANILINE (AND SALTS)	190,611	0.01 %
7439-92-1 & N420	LEAD & COMPOUNDS	133,442	0.01 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	109,689	0.01 %
101-90-6	DIGLYCIDYL RESORCINOL ETHER	101,782	0.01 %
191-24-2	BENZO(G,H,I)PERYLENE	95,092	0.00 %
75-55-8	PROPYLENEIMINE	84,739	0.00 %
67-66-3	CHLOROFORM	28,740	0.00 %
98-07-7	BENZOIC TRICHLORIDE	22,266	0.00 %
N020	ARSENIC COMPOUNDS	12,149	0.00 %
75-07-0	ACETALDEHYDE	11,287	0.00 %
118-74-1	HEXACHLOROBENZENE	10,741	0.00 %
7440-02-0 & N495	NICKEL & COMPOUNDS	8,216	0.00 %
<b>Sum of Top 20:</b>		<b>1,918,386,803</b>	<b>100.00 %</b>
<b>Sum Other:</b>		<b>26</b>	<b>0.00 %</b>
<b>Sum All:</b>		<b>1,918,386,829</b>	<b>100.00 %</b>

### Top 20 Facilities for Carcinogens Produced On Site

FACILITY NAME (CITY)	COUNTY	Produced On Site (pounds)	% of Total
CONOCOPHILLIPS CO (LINDEN)	UNION	1,006,702,779	52.48 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	372,310,337	19.41 %
HESS CORPORATION (PORT READING)	MIDDLESEX	234,063,992	12.20 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	201,973,468	10.53 %
FERRO CORP (LOGAN TWP)	GLOUCESTER	61,493,471	3.21 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	37,381,700	1.95 %
SUNOCO PARTNERS M&TLP - PISCATAWAY (PISCATAWAY TWP)	MIDDLESEX	2,102,086	0.11 %
CITGO ASPHALT REFINING CO. (WEST DEPTFORD TWP)	GLOUCESTER	1,800,000	0.09 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	232,545	0.01 %
CVC SPECIALTY CHEMICALS, INC. (MAPLE SHADE)	BURLINGTON	101,782	0.01 %
LANXESS SYBRON CHEMICALS (BIRMINGHAM)	BURLINGTON	84,739	0.00 %
MAUSER CORPORATION (WOODBRIIDGE)	MIDDLESEX	42,091	0.00 %
SCHWEITZER MAUDUIT INTERNATIONAL INC (SPOTSWOOD)	MIDDLESEX	28,740	0.00 %
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	22,313	0.00 %
CITGO PETROLEUM CORPORATION (LINDEN)	UNION	15,284	0.00 %
ADM COCOA (GLASSBORO)	GLOUCESTER	11,287	0.00 %
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	10,741	0.00 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	6,890	0.00 %
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	1,657	0.00 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	242	0.00 %
<b>Sum of Top 20:</b>		<b>1,918,386,145</b>	<b>100.00 %</b>
<b>Sum Other:</b>		<b>684</b>	<b>0.00 %</b>
<b>Sum All:</b>		<b>1,918,386,829</b>	<b>100.00 %</b>

## Top 20 Carcinogens Brought On Site – 2005 RPPR

### Top 20 Carcinogens Brought On Site

CAS Number	SUBSTANCE NAME	Brought On-Site (pounds)	% of Total
1634-04-4	METHYL TERT-BUTYL ETHER	3,025,658,299	54.21 %
71-43-2	BENZENE	676,051,626	12.11 %
75-01-4	VINYL CHLORIDE	533,909,099	9.57 %
100-41-4	ETHYLBENZENE	444,338,605	7.96 %
91-20-3	NAPHTHALENE	336,206,861	6.02 %
7439-92-1 & N420	LEAD & COMPOUNDS	100,840,004	1.81 %
100-42-5	STYRENE	100,600,028	1.80 %
108-05-4	VINYL ACETATE	76,774,359	1.38 %
75-21-8	ETHYLENE OXIDE	64,469,084	1.16 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	51,324,616	0.92 %
75-56-9	PROPYLENE OXIDE	26,203,340	0.47 %
140-88-5	ETHYL ACRYLATE	24,871,821	0.45 %
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]	24,635,349	0.44 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	22,396,829	0.40 %
7440-02-0 & N495	NICKEL & COMPOUNDS	20,302,902	0.36 %
26471-62-5	TOLUENE DIISOCYANATE (MIXED ISOMERS)	12,799,490	0.23 %
50-00-0	FORMALDEHYDE	7,995,387	0.14 %
75-09-2	DICHLOROMETHANE	7,082,505	0.13 %
7440-48-4 & N096	COBALT & COMPOUNDS	4,252,568	0.08 %
106-89-8	EPICHLOROHYDRIN	4,222,230	0.08 %
<b>Sum of Top 20:</b>		<b>5,564,935,003</b>	<b>99.70 %</b>
<b>Sum Other:</b>		<b>16,654,836</b>	<b>0.30 %</b>
<b>Sum All:</b>		<b>5,581,589,838</b>	<b>100.00 %</b>

### Top 20 Facilities for Carcinogens Brought On Site

FACILITY NAME (CITY)	COUNTY	Brought On-Site (pounds)	% of Total
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	731,707,432	13.11 %
CONOCOPHILLIPS CO (LINDEN)	UNION	652,171,700	11.68 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	504,789,947	9.04 %
BP PRODUCTS NORTH AMERICA INC (CARTERET)	MIDDLESEX	381,119,817	6.83 %
OXY VINYL LP (PEDRICKTOWN)	SALEM	361,347,474	6.47 %
HESS CORPORATION (PORT READING)	MIDDLESEX	352,586,266	6.32 %
GULF OIL LIMITED PARTNERSHIP (THOROFARE)	GLOUCESTER	330,674,544	5.92 %
CITGO PETROLEUM CORPORATION (LINDEN)	UNION	310,683,219	5.57 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	286,714,208	5.14 %
HESS CORPORATION (PENNSAUKEN)	CAMDEN	261,585,738	4.69 %
GULF OIL LIMITED PARTNERSHIP (LINDEN)	UNION	244,111,063	4.37 %
MOTIVA ENTERPRISES LLC (NEWARK)	ESSEX	161,714,195	2.90 %
HESS CORPORATION (PERTH AMBOY)	MIDDLESEX	108,894,748	1.95 %
POLY ONE CORPORATION (OLDMANS TWP)	SALEM	90,691,215	1.62 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	85,324,780	1.53 %
BASF CORPORATION -DEL- (WASHINGTON)	WARREN	78,704,744	1.41 %
JOHNSON CONTROLS BATTERY GROUP INC (NEW BRUNSWICK)	MIDDLESEX	76,056,533	1.36 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	66,039,411	1.18 %
AIR PRODUCTS POLYMERS, L.P. (SOUTH BRUNSWICK TWP)	MIDDLESEX	62,220,397	1.11 %
GETTY PETROLEUM MARKETING INC (NEWARK)	ESSEX	45,143,567	0.81 %
<b>Sum of Top 20:</b>		<b>5,192,280,998</b>	<b>93.03 %</b>
<b>Sum Other:</b>		<b>389,308,841</b>	<b>6.97 %</b>
<b>Sum All:</b>		<b>5,581,589,838</b>	<b>100.00 %</b>

## Top 20 Carcinogens Consumed (in processes) – 2005 RPPR

### Top 20 Substances Consumed (in processes)

CAS Number	SUBSTANCE NAME	Consumed On-Site (pounds)	% of Total
75-01-4	VINYL CHLORIDE	534,532,506	38.11 %
71-43-2	BENZENE	332,765,261	23.72 %
100-41-4	ETHYLBENZENE	103,233,653	7.36 %
100-42-5	STYRENE	89,540,865	6.38 %
108-05-4	VINYL ACETATE	71,364,827	5.09 %
75-21-8	ETHYLENE OXIDE	65,209,362	4.65 %
100-44-7	BENZYL CHLORIDE	38,944,641	2.78 %
98-95-3	NITROBENZENE	37,160,970	2.65 %
75-56-9	PROPYLENE OXIDE	26,553,345	1.89 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	26,048,403	1.86 %
140-88-5	ETHYL ACRYLATE	24,595,634	1.75 %
26471-62-5	TOLUENE DIISOCYANATE (MIXED ISOMERS)	12,687,403	0.90 %
91-20-3	NAPHTHALENE	11,307,813	0.81 %
106-99-0	1,3-BUTADIENE	10,676,561	0.76 %
50-00-0	FORMALDEHYDE	7,516,772	0.54 %
106-89-8	EPICHLOROHYDRIN	4,121,905	0.29 %
107-13-1	ACRYLONITRILE	2,397,960	0.17 %
191-24-2	BENZO(G,H,I)PERYLENE	1,334,195	0.10 %
79-06-1	ACRYLAMIDE	726,850	0.05 %
25376-45-8	DIAMINOTOLUENE (MIXED ISOMERS)	587,237	0.04 %
<b>Sum of Top 20:</b>		<b>1,401,306,163</b>	<b>99.91 %</b>
<b>Sum Other:</b>		<b>1,318,344</b>	<b>0.09 %</b>
<b>Sum All:</b>		<b>1,402,624,507</b>	<b>100.00 %</b>

### Top 20 Facilities for Carcinogens Consumed (in processes)

FACILITY NAME (CITY)	COUNTY	Consumed On-Site (pounds)	% of Total
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	406,151,167	28.96 %
OXY VINYL LP (PEDRICKTOWN)	SALEM	363,046,628	25.88 %
POLYONE CORPORATION (OLDMANS TWP)	SALEM	90,679,575	6.46 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	84,020,232	5.99 %
BASF CORPORATION -DEL- (WASHINGTON)	WARREN	79,852,821	5.69 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	67,419,372	4.81 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	62,370,052	4.45 %
AIR PRODUCTS POLYMERS, L.P. (SOUTH BRUNSWICK TWP)	MIDDLESEX	57,083,006	4.07 %
FERRO CORP (LOGAN TWP)	GLOUCESTER	38,801,731	2.77 %
LUBRIZOL ADVANCED MATERIALS INC (OLDMANS TWP)	SALEM	31,024,059	2.21 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	14,644,572	1.04 %
PSEG FOSSIL LLC (SEWAREN)	MIDDLESEX	12,374,323	0.88 %
LANXESS SYBRON CHEMICALS (BIRMINGHAM)	BURLINGTON	11,872,035	0.85 %
HERCULES INCORPORATED (PARLIN)	MIDDLESEX	10,795,337	0.77 %
EXXON MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	10,407,320	0.74 %
HESS CORPORATION (PORT READING)	MIDDLESEX	9,919,639	0.71 %
BENJAMIN MOORE & CO. (NEWARK)	ESSEX	8,373,146	0.60 %
FOAMEX (EAST RUTHERFORD)	BERGEN	6,903,168	0.49 %
CONOCOPHILLIPS CO (LINDEN)	UNION	6,792,000	0.48 %
ZINSSER CO., INC. (SOMERSET)	SOMERSET	4,551,281	0.32 %
<b>Sum of Top 20:</b>		<b>1,377,081,464</b>	<b>98.18 %</b>
<b>Sum Other:</b>		<b>25,543,043</b>	<b>1.82 %</b>
<b>Sum All:</b>		<b>1,402,624,507</b>	<b>100.00 %</b>



## Top 20 Carcinogens Shipped as (or in) Product – 2005 RPPR

### Top 20 Carcinogens Shipped as (or in) Product

CAS Number	SUBSTANCE NAME	Shipped as Product (pounds)	% of Total
1634-04-4	METHYL TERT-BUTYL ETHER	3,209,956,839	52.92 %
100-41-4	ETHYLBENZENE	1,220,373,524	20.12 %
71-43-2	BENZENE	782,978,944	12.91 %
91-20-3	NAPHTHALENE	620,018,463	10.22 %
7439-92-1 & N420	LEAD & COMPOUNDS	84,149,322	1.39 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	35,160,784	0.58 %
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]	24,897,303	0.41 %
100-44-7	BENZYL CHLORIDE	21,824,219	0.36 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	20,844,678	0.34 %
7440-02-0 & N495	NICKEL & COMPOUNDS	16,359,594	0.27 %
100-42-5	STYRENE	11,742,370	0.19 %
75-09-2	DICHLOROMETHANE	6,642,462	0.11 %
8001-58-9	CREOSOTE	3,187,744	0.05 %
7440-48-4 & N096	COBALT & COMPOUNDS	2,750,614	0.05 %
106-46-7	1,4-DICHLOROBENZENE	1,441,050	0.02 %
191-24-2	BENZO(G,H,I)PERYLENE	845,912	0.01 %
67-66-3	CHLOROFORM	421,892	0.01 %
108-05-4	VINYL ACETATE	386,232	0.01 %
106-99-0	1,3-BUTADIENE	347,486	0.01 %
50-00-0	FORMALDEHYDE	327,095	0.01 %
<b>Sum of Top 20:</b>		<b>6,064,656,527</b>	<b>99.98 %</b>
<b>Sum Other:</b>		<b>1,362,042</b>	<b>0.02 %</b>
<b>Sum All:</b>		<b>6,066,018,569</b>	<b>100.00 %</b>

### Top 20 Facilities for Carcinogens Shipped as (or in) Product

FACILITY NAME (CITY)	COUNTY	Shipped as Product (pounds)	% of Total
CONOCOPHILLIPS CO (LINDEN)	UNION	1,660,015,500	27.37 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	688,885,027	11.36 %
HESS CORPORATION (PORT READING)	MIDDLESEX	580,548,548	9.57 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	503,343,208	8.30 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	488,228,447	8.05 %
BP PRODUCTS NORTH AMERICA INC (CARTERET)	MIDDLESEX	381,100,157	6.28 %
GULFOIL LIMITED PARTNERSHIP (THOROFARE)	GLOUCESTER	330,427,007	5.45 %
CITGO PETROLEUM CORPORATION (LINDEN)	UNION	314,840,908	5.19 %
HESS CORPORATION (PENNSAUKEN)	CAMDEN	260,692,586	4.30 %
GULFOIL LIMITED PARTNERSHIP (LINDEN)	UNION	245,931,864	4.05 %
MOTIVA ENTERPRISES LLC (NEWARK)	ESSEX	163,751,869	2.70 %
HESS CORPORATION (PERTH AMBOY)	MIDDLESEX	101,083,946	1.67 %
JOHNSON CONTROLS BATTERY GROUP INC (NEW BRUNSWICK)	MIDDLESEX	61,802,750	1.02 %
GETTY PETROLEUM MARKETING INC (NEWARK)	ESSEX	45,153,430	0.74 %
ALLIED AVIATION SERVICE CO OF NJ INC (ELIZABETH)	UNION	44,508,428	0.73 %
HESS CORPORATION (NEWARK)	ESSEX	23,110,314	0.38 %
FERRO CORP (LOGAN TWP)	GLOUCESTER	21,839,014	0.36 %
HESS CORPORATION (BAYONNE)	HUDSON	16,373,836	0.27 %
COLORITE PLASTICS COMPANY (RIDGEFIELD)	BERGEN	15,887,531	0.26 %
BP PRODUCTS NORTH AMERICA INC (NEWARK)	ESSEX	9,782,260	0.16 %
<b>Sum of Top 20:</b>		<b>5,957,306,631</b>	<b>98.21 %</b>
<b>Sum Other:</b>		<b>108,711,938</b>	<b>1.79 %</b>
<b>Sum All:</b>		<b>6,066,018,569</b>	<b>100.00 %</b>

## Top 10 Carcinogens for Nonproduct Output – 2005 RPPR

### Top 10 Carcinogens Generated as Nonproduct Output

CAS Number	SUBSTANCE NAME	NPO (pounds)	% of Total
7439-92-1 & N420	LEAD & COMPOUNDS	21,145,403	64.18 %
7440-02-0 & N495	NICKEL & COMPOUNDS	2,266,884	6.88 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	2,094,530	6.36 %
7440-48-4 & N096	COBALT & COMPOUNDS	1,229,438	3.73 %
75-01-4	VINYL CHLORIDE	1,007,474	3.06 %
100-41-4	ETHYLBENZENE	858,525	2.61 %
75-09-2	DICHLOROMETHANE	702,049	2.13 %
100-44-7	BENZYL CHLORIDE	643,856	1.95 %
1634-04-4	METHYL TERT-BUTYL ETHER	484,589	1.47 %
91-20-3	NAPHTHALENE	455,237	1.38 %
<b>Sum of Top 10:</b>		<b>30,887,985</b>	<b>93.76 %</b>
<b>Sum Other:</b>		<b>2,057,390</b>	<b>6.24 %</b>
<b>Sum All:</b>		<b>32,945,375</b>	<b>100.00 %</b>

### Top 10 Facilities Generating Nonproduct Output of Carcinogens

FACILITYNAME (CITY)	COUNTY	NPO (pounds)	% of Total
JOHNSON CONTROLS BATTERY GROUP INC (NEW BRUNSWICK)	MIDDLESEX	14,253,783	43.26 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	2,969,021	9.01 %
FRY'S METALS INC. (JERSEY CITY)	HUDSON	1,499,261	4.55 %
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	1,468,904	4.46 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	1,068,513	3.24 %
THYSSEN KRUPP VDM USA, INC. (EAST HANOVER TWP)	MORRIS	958,062	2.91 %
STRYKER ORTHOPAEDICS (MAHWAH TWP)	BERGEN	765,035	2.32 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	695,141	2.11 %
FERRO CORP (LOGAN TWP)	GLOUCESTER	661,623	2.01 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	660,205	2.00 %
<b>Sum of Top 10:</b>		<b>24,999,548</b>	<b>75.88 %</b>
<b>Sum Other:</b>		<b>7,945,827</b>	<b>24.12 %</b>
<b>Sum All:</b>		<b>32,945,375</b>	<b>100.00 %</b>

### Top 10 Individual Reports of Nonproduct Output for Carcinogens

FACILITYNAME (CITY)	COUNTY	SUBSTANCE NAME	NPO (pounds)
JOHNSON CONTROLS BATTERY GROUP INC (NEW BRUNSWICK)	MIDDLESEX	LEAD COMPOUNDS	14,253,783
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD COMPOUNDS	2,375,036
FRY'S METALS INC. (JERSEY CITY)	HUDSON	LEAD	1,499,261
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL CHLORIDE	979,497
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	NICKEL	927,295
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	LEAD	660,205
FERRO CORP (LOGAN TWP)	GLOUCESTER	BENZYL CHLORIDE	642,444
THYSSEN KRUPP VDM USA, INC. (EAST HANOVER TWP)	MORRIS	NICKEL	633,156
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	LEAD COMPOUNDS	570,043
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	CHROMIUM COMPOUNDS	562,381

## Top 10 On-Site Releases of Carcinogens – 2005 RPPR

### Top 10 Carcinogens Released On Site

CAS Number	SUBSTANCE NAME	On-Site Releases (pounds)	% of Total
1634-04-4	METHYL TERT-BUTYL ETHER	255,687	25.84 %
100-42-5	STYRENE	203,029	20.52 %
75-09-2	DICHLOROMETHANE	91,225	9.22 %
108-05-4	VINYL ACETATE	89,671	9.06 %
71-43-2	BENZENE	52,524	5.31 %
100-41-4	ETHYLBENZENE	50,768	5.13 %
75-01-4	VINYL CHLORIDE	38,786	3.92 %
7440-02-0 & N495	NICKEL & COMPOUNDS	36,686	3.71 %
7439-92-1 & N420	LEAD & COMPOUNDS	24,038	2.43 %
91-20-3	NAPHTHALENE	22,166	2.24 %
<b>Sum of Top 10:</b>		<b>864,580</b>	<b>87.36 %</b>
<b>Sum Other:</b>		<b>125,039</b>	<b>12.64 %</b>
<b>Sum All:</b>		<b>989,620</b>	<b>100.00 %</b>

### Top 10 Facilities for On-Site Releases of Carcinogens

FACILITY NAME (CITY)	COUNTY	On-Site Releases (pounds)	% of Total
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	97,125	9.81 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	76,872	7.77 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	74,823	7.56 %
SILVERTON MARINE CORPORATION (MILLVILLE)	CUMBERLAND	69,219	6.99 %
VIKING YACHT CO CORP (NEW GRETN A)	BURLINGTON	66,500	6.72 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	66,153	6.68 %
HESS CORPORATION (PORT READING)	MIDDLESEX	62,050	6.27 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	52,280	5.28 %
CONOCOPHILLIPS CO (LINDEN)	UNION	36,972	3.74 %
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	23,324	2.36 %
<b>Sum of Top 10:</b>		<b>625,319</b>	<b>63.19 %</b>
<b>Sum Other:</b>		<b>364,301</b>	<b>36.81 %</b>
<b>Sum All:</b>		<b>989,620</b>	<b>100.00 %</b>

### Top 10 Individual Reports of On-Site Releases for Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Releases (pounds)
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL ACETATE	80,766
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	METHYL TERT-BUTYL ETHER	70,975
SILVERTON MARINE CORPORATION (MILLVILLE)	CUMBERLAND	STYRENE	69,219
VIKING YACHT CO CORP (NEW GRETN A)	BURLINGTON	STYRENE	66,500
HESS CORPORATION (PORT READING)	MIDDLESEX	METHYL TERT-BUTYL ETHER	38,529
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	36,895
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	35,931
OCEAN YACHTS INC (MULLICA TWP)	ATLANTIC	STYRENE	21,420
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	DICHLOROMETHANE	21,398
CONOCOPHILLIPS CO (LINDEN)	UNION	METHYL TERT-BUTYL ETHER	19,789

## Top 10 Total Air Emissions of Carcinogens – 2005 RPPR

### Top 10 Carcinogens for Total Air Emissions

CAS Number	SUBSTANCE NAME	Total Air Emissions (pounds)	% of Total
1634-04-4	METHYL TERT-BUTYL ETHER	239,009	27.26 %
100-42-5	STYRENE	203,026	23.15 %
75-09-2	DICHLOROMETHANE	90,963	10.37 %
108-05-4	VINYL ACETATE	89,671	10.23 %
100-41-4	ETHYLBENZENE	49,194	5.61 %
71-43-2	BENZENE	45,910	5.24 %
75-01-4	VINYL CHLORIDE	38,690	4.41 %
91-20-3	NAPHTHALENE	21,719	2.48 %
79-01-6	TRICHLOROETHYLENE	19,879	2.27 %
7439-92-1 & N420	LEAD & COMPOUNDS	12,993	1.48 %
<b>Sum of Top 10:</b>		<b>811,054</b>	<b>92.49 %</b>
<b>Sum Other:</b>		<b>65,861</b>	<b>7.51 %</b>
<b>Sum All:</b>		<b>876,915</b>	<b>100.00 %</b>

### Top 10 Facilities for Total Air Emissions of Carcinogens

FACILITY NAME (CITY)	COUNTY	Total Air Emissions (pounds)	% of Total
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	97,056	11.07 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	74,811	8.53 %
SILVERTON MARINE CORPORATION (MILLVILLE)	CUMBERLAND	69,219	7.89 %
VIKING YACHT CO CORP (NEW GRETN)	BURLINGTON	66,500	7.58 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	64,998	7.41 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	44,011	5.02 %
HESS CORPORATION (PORT READING)	MIDDLESEX	42,227	4.82 %
CONOCOPHILLIPS CO (LINDEN)	UNION	35,665	4.07 %
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	21,997	2.51 %
OCEAN YACHTS INC (MULLICA TWP)	ATLANTIC	21,420	2.44 %
<b>Sum of Top 10:</b>		<b>537,904</b>	<b>61.34 %</b>
<b>Sum Other:</b>		<b>339,010</b>	<b>38.66 %</b>
<b>Sum All:</b>		<b>876,915</b>	<b>100.00 %</b>

### Top 10 Individual Reports of Total Air Emissions of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Total Air Emissions (pounds)
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL ACETATE	80,766
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	METHYL TERT-BUTYL ETHER	70,970
SILVERTON MARINE CORPORATION (MILLVILLE)	CUMBERLAND	STYRENE	69,219
VIKING YACHT CO CORP (NEW GRETN)	BURLINGTON	STYRENE	66,500
HESS CORPORATION (PORT READING)	MIDDLESEX	METHYL TERT-BUTYL ETHER	37,335
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	35,670
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	29,237
OCEAN YACHTS INC (MULLICA TWP)	ATLANTIC	STYRENE	21,420
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	DICHLOROMETHANE	21,398
CONOCOPHILLIPS CO (LINDEN)	UNION	METHYL TERT-BUTYL ETHER	19,700

## Top 10 Stack Air Emissions of Carcinogens – 2005 RPPR

### Top 10 Carcinogens for Stack Air Emissions

CAS Number	SUBSTANCE NAME	Stack Air Emissions (pounds)	% of Total
1634-04-4	METHYL TERT-BUTYL ETHER	198,244	28.47 %
100-42-5	STYRENE	186,188	26.74 %
108-05-4	VINYL ACETATE	89,110	12.80 %
75-09-2	DICHLOROMETHANE	58,404	8.39 %
71-43-2	BENZENE	28,359	4.07 %
75-01-4	VINYL CHLORIDE	26,207	3.76 %
100-41-4	ETHYLBENZENE	25,274	3.63 %
91-20-3	NAPHTHALENE	14,251	2.05 %
7439-92-1 & N420	LEAD & COMPOUNDS	10,605	1.52 %
78-87-5	1,2-DICHLOROPROPANE	9,040	1.30 %
<b>Sum of Top 10:</b>		<b>645,682</b>	<b>92.73 %</b>
<b>Sum Other:</b>		<b>50,619</b>	<b>7.27 %</b>
<b>Sum All:</b>		<b>696,301</b>	<b>100.00 %</b>

### Top 10 Facilities for Stack Air Emissions of Carcinogens

FACILITY NAME (CITY)	COUNTY	Stack Air Emissions (pounds)	% of Total
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	89,521	12.86 %
SILVERTON MARINE CORPORATION (MILLVILLE)	CUMBERLAND	69,219	9.94 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	68,042	9.77 %
VIKING YACHT CO CORP (NEW GRETN A)	BURLINGTON	66,500	9.55 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	38,613	5.55 %
HESS CORPORATION (PORT READING)	MIDDLESEX	37,886	5.44 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	33,775	4.85 %
CONOCOPHILLIPS CO (LINDEN)	UNION	22,411	3.22 %
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	17,521	2.52 %
OCEAN YACHTS INC (MULLICA TWP)	ATLANTIC	17,136	2.46 %
<b>Sum of Top 10:</b>		<b>460,624</b>	<b>66.15 %</b>
<b>Sum Other:</b>		<b>235,677</b>	<b>33.85 %</b>
<b>Sum All:</b>		<b>696,301</b>	<b>100.00 %</b>

### Top 10 Individual Reports of Stack Air Emissions of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Stack Air Emissions (pounds)
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL ACETATE	80,726
SILVERTON MARINE CORPORATION (MILLVILLE)	CUMBERLAND	STYRENE	69,219
VIKING YACHT CO CORP (NEW GRETN A)	BURLINGTON	STYRENE	66,500
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	METHYL TERT-BUTYL ETHER	64,638
HESS CORPORATION (PORT READING)	MIDDLESEX	METHYL TERT-BUTYL ETHER	34,275
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	29,193
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	21,527
OCEAN YACHTS INC (MULLICA TWP)	ATLANTIC	STYRENE	17,136
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	DICHLOROMETHANE	16,922
POLYONE CORPORATION (OLDMANS TWP)	SALEM	VINYL CHLORIDE	15,506

## Top 10 Fugitive Air Emissions of Carcinogens – 2005 RPPR

### Top 10 Carcinogens for Fugitive Air Emissions

CAS Number	SUBSTANCE NAME	Fugitive Air Emissions (pounds)	% of Total
1634-04-4	METHYL TERT-BUTYL ETHER	40,765	22.57 %
75-09-2	DICHLOROMETHANE	32,559	18.03 %
100-41-4	ETHYLBENZENE	23,920	13.24 %
71-43-2	BENZENE	17,551	9.72 %
100-42-5	STYRENE	16,838	9.32 %
75-01-4	VINYL CHLORIDE	12,483	6.91 %
79-01-6	TRICHLOROETHYLENE	11,843	6.56 %
91-20-3	NAPHTHALENE	7,468	4.13 %
106-99-0	1,3-BUTADIENE	5,097	2.82 %
7439-92-1 & N420	LEAD & COMPOUNDS	2,388	1.32 %
<b>Sum of Top 10:</b>		<b>170,912</b>	<b>94.63 %</b>
<b>Sum Other:</b>		<b>9,701</b>	<b>5.37 %</b>
<b>Sum All:</b>		<b>180,614</b>	<b>100.00 %</b>

### Top 10 Facilities for Fugitive Air Emissions of Carcinogens

FACILITY NAME (CITY)	COUNTY	Fugitive Air Emissions (pounds)	% of Total
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	31,223	17.29 %
PIKE MACHINE PRODUCTS, INC. (ELIZABETH)	UNION	14,400	7.97 %
CONOCOPHILLIPS CO (LINDEN)	UNION	13,254	7.34 %
ALLIED AVIATION SERVICE CO OF NJ INC (ELIZABETH)	UNION	12,561	6.95 %
ACCURATE FORMING DIV. OF SHAN INDUST (HAMBURG)	SUSSEX	9,880	5.47 %
TRYCO TOOL & MFG CO INC (ORANGE)	ESSEX	9,550	5.29 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	7,535	4.17 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	6,769	3.75 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	5,398	2.99 %
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	4,476	2.48 %
<b>Sum of Top 10:</b>		<b>115,046</b>	<b>63.70 %</b>
<b>Sum Other:</b>		<b>65,567</b>	<b>36.30 %</b>
<b>Sum All:</b>		<b>180,614</b>	<b>100.00 %</b>

### Top 10 Individual Reports of Fugitive Air Emissions of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Fugitive Air Emissions (pounds)
PIKE MACHINE PRODUCTS, INC. (ELIZABETH)	UNION	DICHLOROMETHANE	14,400
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	14,143
ALLIED AVIATION SERVICE CO OF NJ INC (ELIZABETH)	UNION	ETHYLBENZENE	11,079
ACCURATE FORMING DIV. OF SHAN INDUST (HAMBURG)	SUSSEX	TRICHLOROETHYLENE	9,880
TRYCO TOOL & MFG CO INC (ORANGE)	ESSEX	DICHLOROMETHANE	9,550
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL CHLORIDE	7,495
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	METHYL TERT-BUTYL ETHER	6,332
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	BENZENE	6,195
CONOCOPHILLIPS CO (LINDEN)	UNION	METHYL TERT-BUTYL ETHER	5,700
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	1,3-BUTADIENE	5,071

## Top 10 Surface Water Discharges of Carcinogens – 2005 RPPR

### Top 10 Carcinogens for Surface Water Discharges

CAS Number	SUBSTANCE NAME	Surface Water Discharges (pounds)	% of Total
106-89-8	EPICHLOROHYDRIN	15,855	31.30 %
7440-02-0 & N495	NICKEL & COMPOUNDS	13,109	25.88 %
1634-04-4	METHYL TERT-BUTYL ETHER	11,226	22.16 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	4,407	8.70 %
N020	ARSENIC COMPOUNDS	1,275	2.52 %
88-06-2	2,4,6-TRICHLOROPHENOL	1,246	2.46 %
7439-92-1 & N420	LEAD & COMPOUNDS	894	1.76 %
71-43-2	BENZENE	470	0.93 %
91-20-3	NAPHTHALENE	447	0.88 %
67-66-3	CHLOROFORM	341	0.67 %
<b>Sum of Top 10:</b>		<b>49,270</b>	<b>97.27 %</b>
<b>Sum Other:</b>		<b>1,384</b>	<b>2.73 %</b>
<b>Sum All:</b>		<b>50,654</b>	<b>100.00 %</b>

### Top 10 Facilities for Surface Water Discharges of Carcinogens

FACILITY NAME (CITY)	COUNTY	Surface Water Discharges (pounds)	% of Total
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	29,946	59.12 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	8,269	16.32 %
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	3,544	7.00 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	1,726	3.41 %
HESS CORPORATION (PORT READING)	MIDDLESEX	1,725	3.41 %
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	1,327	2.62 %
CONOCOPHILLIPS CO (LINDEN)	UNION	1,307	2.58 %
SUNOCO, INC.(R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	1,155	2.28 %
RC CAPE MAY HOLDINGS LLC (BEESLEYS POINT)	CAPE MAY	435	0.86 %
DSM NUTRITIONAL PRODUCTS INC (BELVIDERE)	WARREN	341	0.67 %
<b>Sum of Top 10:</b>		<b>49,776</b>	<b>98.27 %</b>
<b>Sum Other:</b>		<b>878</b>	<b>1.73 %</b>
<b>Sum All:</b>		<b>50,654</b>	<b>100.00 %</b>

### Top 10 Individual Reports of Surface Water Discharges of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Surface Water Discharges (pounds)
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	EPICHLOROHYDRIN	15,855
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	NICKEL COMPOUNDS	7,922
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	7,658
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	CHROMIUM COMPOUNDS	2,587
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	METHYL TERT-BUTYL ETHER	1,729
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	2,4,6-TRICHLOROPHENOL	1,246
HESS CORPORATION (PORT READING)	MIDDLESEX	METHYL TERT-BUTYL ETHER	1,194
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	NICKEL COMPOUNDS	1,074
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	ARSENIC COMPOUNDS	1,027
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	CHROMIUM COMPOUNDS	1,022

## Top 10 On-Site Land Disposals of Carcinogens – 2005 RPPR

### Top 10 Carcinogens for On-Site Land Disposal

CAS Number	SUBSTANCE NAME	On-Site Land Disposal (pounds)	% of Total
7440-02-0 & N495	NICKEL & COMPOUNDS	19,750	31.83 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	11,753	18.94 %
7439-92-1 & N420	LEAD & COMPOUNDS	10,151	16.36 %
71-43-2	BENZENE	6,144	9.90 %
1634-04-4	METHYL TERT-BUTYL ETHER	5,452	8.79 %
7440-48-4 & N096	COBALT & COMPOUNDS	3,295	5.31 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	2,486	4.01 %
100-41-4	ETHYLBENZENE	1,319	2.13 %
1582-09-8	TRIFLURALIN	698	1.12 %
25321-22-6	DICHLOROBENZENE (MIXED ISOMERS)	413	0.67 %
<b>Sum of Top 10:</b>		<b>61,461</b>	<b>99.05 %</b>
<b>Sum Other:</b>		<b>590</b>	<b>0.95 %</b>
<b>Sum All:</b>		<b>62,051</b>	<b>100.00 %</b>

### All Facilities for On-Site Land Disposal of Carcinogens

FACILITY NAME (CITY)	COUNTY	On-Site Land Disposal (pounds)	% of Total
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	33,493	53.98 %
HESS CORPORATION (PORT READING)	MIDDLESEX	18,098	29.17 %
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	10,460	16.86 %
<b>Sum of All:</b>		<b>62,051</b>	<b>100.00 %</b>

### Top 10 Individual Reports of On-Site Land Disposal of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Land Disposal (pounds)
HESS CORPORATION (PORT READING)	MIDDLESEX	NICKEL COMPOUNDS	9,955
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	NICKEL COMPOUNDS	9,795
HESS CORPORATION (PORT READING)	MIDDLESEX	LEAD	8,143
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	CHROMIUM COMPOUNDS	6,771
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	BENZENE	6,144
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	METHYL TERT-BUTYL ETHER	5,452
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	CHROMIUM COMPOUNDS	4,982
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	COBALT COMPOUNDS	3,295
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	POLYCYCLIC AROMATIC COMPOUNDS	2,486
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	LEAD COMPOUNDS	1,614



## Top 10 On-Site Management of Carcinogens – 2005 RPPR

### Top 10 Carcinogens Managed as Nonproduct Output (NPO) On Site

CAS Number	SUBSTANCE NAME	On-Site Management (pounds)	% of Total
7439-92-1 & N420	LEAD & COMPOUNDS	3,618,237	49.05 %
75-01-4	VINYL CHLORIDE	968,632	13.13 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	578,253	7.84 %
7440-02-0 & N495	NICKEL & COMPOUNDS	366,022	4.96 %
71-43-2	BENZENE	269,034	3.65 %
91-20-3	NAPHTHALENE	255,323	3.46 %
1634-04-4	METHYL TERT-BUTYL ETHER	197,371	2.68 %
62-53-3	ANILINE (AND SALTS)	190,895	2.59 %
100-41-4	ETHYLBENZENE	182,765	2.48 %
106-89-8	EPICHLOROHYDRIN	154,153	2.09 %
<b>Sum of Top 10:</b>		<b>6,780,685</b>	<b>91.92 %</b>
<b>Sum Other:</b>		<b>595,656</b>	<b>8.08 %</b>
<b>Sum All:</b>		<b>7,376,341</b>	<b>100.00 %</b>

### Top 10 Facilities for NPO Managed On Site of Carcinogens

FACILITY NAME (CITY)	COUNTY	On-Site Management (pounds)	% of Total
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	2,679,001	36.32 %
FRY'S METALS INC. (JERSEY CITY)	HUDSON	1,431,318	19.40 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	971,159	13.17 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	501,354	6.80 %
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	363,533	4.93 %
CVC SPECIALTY CHEMICALS, INC. (MAPLE SHADE)	BURLINGTON	151,082	2.05 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	126,989	1.72 %
BASF CORPORATION -DEL- (WASHINGTON)	WARREN	91,000	1.23 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	88,284	1.20 %
BWAY PACKAGING (TRENTON)	MERCER	83,813	1.14 %
<b>Sum of Top 10:</b>		<b>6,487,533</b>	<b>87.95 %</b>
<b>Sum Other:</b>		<b>888,807</b>	<b>12.05 %</b>
<b>Sum All:</b>		<b>7,376,341</b>	<b>100.00 %</b>

### Top 10 Individual Reports of NPO Managed On Site of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Management (pounds)
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD COMPOUNDS	2,133,095
FRY'S METALS INC. (JERSEY CITY)	HUDSON	LEAD	1,431,318
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL CHLORIDE	963,128
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	CHROMIUM COMPOUNDS	517,419
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	NICKEL	236,187
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	ANILINE (AND SALTS)	190,895
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	BENZENE	186,538
CVC SPECIALTY CHEMICALS, INC. (MAPLE SHADE)	BURLINGTON	EPICHLOROHYDRIN	150,200
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	METHYL TERT-BUTYL ETHER	121,838
ARROW GROUP INDUSTRIES -CORP- (HASKELL)	PASSAIC	NAPHTHALENE	80,514

## Top 10 On-Site Recycling of Carcinogens – 2005 RPPR

### Top 10 Carcinogens Recycled On Site

CAS Number	SUBSTANCE NAME	On-Site Recycling (pounds)	% of Total
7439-92-1 & N420	LEAD & COMPOUNDS	3,618,237	74.18 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	578,253	11.86 %
7440-02-0 & N495	NICKEL & COMPOUNDS	366,022	7.50 %
106-89-8	EPICHLOROHYDRIN	150,200	3.08 %
7440-48-4 & N096	COBALT & COMPOUNDS	84,446	1.73 %
100-41-4	ETHYLBENZENE	26,610	0.55 %
91-20-3	NAPHTHALENE	21,522	0.44 %
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]	14,523	0.30 %
1634-04-4	METHYL TERT-BUTYL ETHER	13,364	0.27 %
71-43-2	BENZENE	2,800	0.06 %
<b>Sum of Top 10:</b>		<b>4,875,977</b>	<b>99.97 %</b>
<b>Sum Other:</b>		<b>1,464</b>	<b>0.03 %</b>
<b>Sum All:</b>		<b>4,877,441</b>	<b>100.00 %</b>

### Top 10 Facilities for On-Site Recycling of Carcinogens

FACILITY NAME (CITY)	COUNTY	On-Site Recycling (pounds)	% of Total
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	2,679,001	54.93 %
FRY'S METALS INC. (JERSEY CITY)	HUDSON	1,431,318	29.35 %
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	363,533	7.45 %
CVC SPECIALTY CHEMICALS, INC. (MAPLE SHADE)	BURLINGTON	151,082	3.10 %
KEARNY SMELTING & REFINING CORP. (KEARNY)	HUDSON	83,660	1.72 %
ALCOA HOWMET (ROCKAWAY TWP)	MORRIS	66,032	1.35 %
HESS CORPORATION (PORT READING)	MIDDLESEX	21,692	0.44 %
MYRON MANUFACTURING CORP (MAYWOOD)	BERGEN	16,694	0.34 %
BAY SHORE VINYL COMPOUNDS, INC. (TENNET)	MONMOUTH	14,523	0.30 %
BP PRODUCTS NORTH AMERICA INC (CARTERET)	MIDDLESEX	13,896	0.28 %
<b>Sum of Top 10:</b>		<b>4,841,431</b>	<b>99.26 %</b>
<b>Sum Other:</b>		<b>36,010</b>	<b>0.74 %</b>
<b>Sum All:</b>		<b>4,877,441</b>	<b>100.00 %</b>

### Top 10 Individual Reports of On-Site Recycling of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Recycling (pounds)
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD COMPOUNDS	2,133,095
FRY'S METALS INC. (JERSEY CITY)	HUDSON	LEAD	1,431,318
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	CHROMIUM COMPOUNDS	517,419
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	NICKEL	236,187
CVC SPECIALTY CHEMICALS, INC. (MAPLE SHADE)	BURLINGTON	EPICHLOROHYDRIN	150,200
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	COBALT	76,269
KEARNY SMELTING & REFINING CORP. (KEARNY)	HUDSON	NICKEL	52,612
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	CHROMIUM	51,077
ALCOA HOWMET (ROCKAWAY TWP)	MORRIS	NICKEL	48,586
KEARNY SMELTING & REFINING CORP. (KEARNY)	HUDSON	LEAD	31,048

## On-Site Energy Recovery of Carcinogens – 2005 RPPR

### All Carcinogens Destroyed On Site for Energy Recovery

CAS Number	SUBSTANCE NAME	On-Site Energy Recovery (pounds)	% of Total
100-42-5	STYRENE	567	98.78 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	4	0.70 %
71-43-2	BENZENE	3	0.52 %
<b>Sum of All:</b>		<b>574</b>	<b>100.00 %</b>

### All Facilities for On-Site Energy Recovery of Carcinogens

FACILITY NAME (CITY)	COUNTY	On-Site Energy Recovery (pounds)	% of Total
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	567	98.78 %
CITGO ASPHALT REFINING CO. (WEST DEPTFORD TWP)	GLOUCESTER	7	1.22 %
<b>Sum of All:</b>		<b>574</b>	<b>100.00 %</b>

### All Individual Reports of On-Site Energy Recovery of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Energy Recovery (pounds)
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	STYRENE	567
CITGO ASPHALT REFINING CO. (WEST DEPTFORD TWP)	GLOUCESTER	POLYCYCLIC AROMATIC COMPOUNDS	4
CITGO ASPHALT REFINING CO. (WEST DEPTFORD TWP)	GLOUCESTER	BENZENE	3

## Top 10 Destroyed through On-Site Treatment of Carcinogens – 2005 RPPR

### Top 10 Carcinogens Destroyed through On-Site Treatment

CAS Number	SUBSTANCE NAME	Destroyed On-Site (pounds)	% of Total
75-01-4	VINYL CHLORIDE	968,632	38.77 %
71-43-2	BENZENE	266,231	10.66 %
91-20-3	NAPHTHALENE	233,801	9.36 %
62-53-3	ANILINE (AND SALTS)	190,895	7.64 %
1634-04-4	METHYL TERT-BUTYL ETHER	184,007	7.37 %
100-41-4	ETHYLBENZENE	156,155	6.25 %
75-09-2	DICHLOROMETHANE	122,819	4.92 %
50-00-0	FORMALDEHYDE	87,103	3.49 %
108-05-4	VINYL ACETATE	72,687	2.91 %
75-21-8	ETHYLENE OXIDE	49,000	1.96 %
<b>Sum of Top 10:</b>		<b>2,331,330</b>	<b>93.32 %</b>
<b>Sum Other:</b>		<b>166,996</b>	<b>6.68 %</b>
<b>Sum All:</b>		<b>2,498,326</b>	<b>100.00 %</b>

### Top 10 Facilities for On-Site Destruction through Treatment of Carcinogens

FACILITY NAME (CITY)	COUNTY	Destroyed On-Site (pounds)	% of Total
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	971,159	38.87 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	501,354	20.07 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	126,989	5.08 %
BASF CORPORATION -DEL- (WASHINGTON)	WARREN	91,000	3.64 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	88,284	3.53 %
BWAY PACKAGING (TRENTON)	MERCER	83,813	3.35 %
ARROW GROUP INDUSTRIES -CORP- (HASKELL)	PASSAIC	80,514	3.22 %
GENTEK BUILDING PRODUCTS INC (AVENEL)	MIDDLESEX	79,820	3.19 %
LIBERTY PLASTICS INC (CARNEYS POINT)	SALEM	71,402	2.86 %
JOHNSON MATTHEY INC (WEST DEPTFORD TWP)	GLOUCESTER	68,846	2.76 %
<b>Sum of Top 10:</b>		<b>2,163,181</b>	<b>86.59 %</b>
<b>Sum Other:</b>		<b>335,145</b>	<b>13.41 %</b>
<b>Sum All:</b>		<b>2,498,326</b>	<b>100.00 %</b>

### Top 10 Individual Reports of On-Site Destruction through Treatment of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Destroyed On-Site (pounds)
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL CHLORIDE	963,128
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	ANILINE (AND SALTS)	190,895
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	BENZENE	186,538
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	METHYL TERT-BUTYL ETHER	121,838
ARROW GROUP INDUSTRIES -CORP- (HASKELL)	PASSAIC	NAPHTHALENE	80,514
GENTEK BUILDING PRODUCTS INC (AVENEL)	MIDDLESEX	NAPHTHALENE	79,820
LIBERTY PLASTICS INC (CARNEYS POINT)	SALEM	FORMALDEHYDE	71,402
BWAY PACKAGING (TRENTON)	MERCER	ETHYLBENZENE	70,643
JOHNSON MATTHEY INC (WEST DEPTFORD TWP)	GLOUCESTER	DICHLOROMETHANE	68,803
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	BENZENE	55,600

## Top 10 Off-Site Transfers of Carcinogens – 2005 RPPR

### Top 10 Carcinogens Transferred Off-Site

CAS Number	SUBSTANCE NAME	Off-site Transfers (pounds)	% of Total
7439-92-1 & N420	LEAD & COMPOUNDS	17,498,645	71.10 %
7440-02-0 & N495	NICKEL & COMPOUNDS	1,884,788	7.66 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	1,500,294	6.10 %
7440-48-4 & N096	COBALT & COMPOUNDS	1,131,159	4.60 %
100-44-7	BENZYL CHLORIDE	647,988	2.63 %
100-41-4	ETHYLBENZENE	624,615	2.54 %
75-09-2	DICHLOROMETHANE	494,641	2.01 %
91-20-3	NAPHTHALENE	177,481	0.72 %
79-01-6	TRICHLOROETHYLENE	126,221	0.51 %
78-87-5	1,2-DICHLOROPROPANE	104,000	0.42 %
<b>Sum of Top 10:</b>		<b>24,189,832</b>	<b>98.28 %</b>
<b>Sum Other:</b>		<b>423,104</b>	<b>1.72 %</b>
<b>Sum All:</b>		<b>24,612,936</b>	<b>100.00 %</b>

### Top 10 Facilities for Off-Site Transfers of Carcinogens

FACILITY NAME (CITY)	COUNTY	Off-Site Transfers (pounds)	% of Total
JOHNSON CONTROLS BATTERY GROUP INC (NEW BRUNSWICK)	MIDDLESEX	14,251,077	57.90 %
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	1,104,758	4.49 %
THYSSEN KRUPP VDM USA, INC. (EAST HANOVER TWP)	MORRIS	956,724	3.89 %
STRYKER ORTHOPAEDICS (MAHWAH TWP)	BERGEN	764,796	3.11 %
FERRO CORP (LOGAN TWP)	GLOUCESTER	666,045	2.71 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	658,382	2.67 %
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	569,994	2.32 %
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	537,766	2.18 %
RATHGIBSON (NORTH BRANCH)	SOMERSET	463,603	1.88 %
MERCK & CO INC (RAHWAY)	UNION	307,509	1.25 %
<b>Sum of Top 10:</b>		<b>20,280,654</b>	<b>82.40 %</b>
<b>Sum Other:</b>		<b>4,332,282</b>	<b>17.60 %</b>
<b>Sum All:</b>		<b>24,612,936</b>	<b>100.00 %</b>

### Top 10 Individual Reports of Off-Site Transfers of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Transfers (pounds)
JOHNSON CONTROLS BATTERY GROUP INC (NEW BRUNSWICK)	MIDDLESEX	LEAD COMPOUNDS	14,251,077
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	NICKEL	690,726
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	LEAD	658,382
FERRO CORP (LOGAN TWP)	GLOUCESTER	BENZYL CHLORIDE	647,988
THYSSEN KRUPP VDM USA, INC. (EAST HANOVER TWP)	MORRIS	NICKEL	632,254
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	LEAD COMPOUNDS	569,994
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	LEAD	537,766
STRYKER ORTHOPAEDICS (MAHWAH TWP)	BERGEN	COBALT	525,930
MERCK & CO INC (RAHWAY)	UNION	DICHLOROMETHANE	307,509
RATHGIBSON (NORTH BRANCH)	SOMERSET	CHROMIUM	307,308

## Top 10 Discharges to Publicly-Owned Treatment Works (POTWs) of Carcinogens – 2005 RPPR

### Top 10 Carcinogens for Discharges to POTWs

CAS Number	SUBSTANCE NAME	POTW Discharges (pounds)	% of Total
75-09-2	DICHLOROMETHANE	112,085	59.39 %
106-89-8	EPICHLOROHYDRIN	45,027	23.86 %
67-66-3	CHLOROFORM	22,396	11.87 %
8001-58-9	CREOSOTE	4,459	2.36 %
7440-02-0 & N495	NICKEL & COMPOUNDS	1,205	0.64 %
108-05-4	VINYL ACETATE	1,088	0.58 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	750	0.40 %
62-53-3	ANILINE (AND SALTS)	491	0.26 %
7440-48-4 & N096	COBALT & COMPOUNDS	426	0.23 %
101-90-6	DIGLYCIDYL RESORCINOL ETHER	260	0.14 %
<b>Sum of Top 10:</b>		<b>188,187</b>	<b>99.71 %</b>
<b>Sum Other:</b>		<b>541</b>	<b>0.29 %</b>
<b>Sum All:</b>		<b>188,728</b>	<b>100.00 %</b>

### Top 10 Facilities for Discharges to POTWs of Carcinogens

FACILITY NAME (CITY)	COUNTY	POTW Discharges (pounds)	% of Total
MERCK & CO INC (RAHWAY)	UNION	112,026	59.36 %
CARDOLITE CORPORATION (NEWARK)	ESSEX	42,900	22.73 %
SCHWEITZER MAUDUIT INTERNATIONAL INC (SPOTSWOOD)	MIDDLESEX	22,234	11.78 %
ATLANTIC WOOD INDUSTRIES INC. (HAINESPORT)	BURLINGTON	4,532	2.40 %
CVC SPECIALTY CHEMICALS, INC. (MAPLE SHADE)	BURLINGTON	2,387	1.26 %
AIR PRODUCTS POLYMERS, L.P. (SOUTH BRUNSWICK TWP)	MIDDLESEX	1,114	0.59 %
SETON COMPANY LEATHER DIVISION (NEWARK)	ESSEX	696	0.37 %
AARHUS KARLSHAMN USA INC (PORT NEWARK)	ESSEX	513	0.27 %
H & S CHEMICAL CO INC (WALLINGTON)	BERGEN	491	0.26 %
MANNINGTON MILLS INC (MANNINGTON TWP)	SALEM	402	0.21 %
<b>Sum of Top 10:</b>		<b>187,295</b>	<b>99.24 %</b>
<b>Sum Other:</b>		<b>1,433</b>	<b>0.76 %</b>
<b>Sum All:</b>		<b>188,728</b>	<b>100.00 %</b>

### Top 10 Individual Reports of Discharges to POTWs of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	POTW Discharges (pounds)
MERCK & CO INC (RAHWAY)	UNION	DICHLOROMETHANE	112,026
CARDOLITE CORPORATION (NEWARK)	ESSEX	EPICHLOROHYDRIN	42,900
SCHWEITZER MAUDUIT INTERNATIONAL INC (SPOTSWOOD)	MIDDLESEX	CHLOROFORM	22,234
ATLANTIC WOOD INDUSTRIES INC. (HAINESPORT)	BURLINGTON	CREOSOTE	4,459
CVC SPECIALTY CHEMICALS, INC. (MAPLE SHADE)	BURLINGTON	EPICHLOROHYDRIN	2,127
AIR PRODUCTS POLYMERS, L.P. (SOUTH BRUNSWICK TWP)	MIDDLESEX	VINYL ACETATE	1,088
SETON COMPANY LEATHER DIVISION (NEWARK)	ESSEX	CHROMIUM COMPOUNDS	696
AARHUS KARLSHAMN USA INC (PORT NEWARK)	ESSEX	NICKEL	513
H & S CHEMICAL CO INC (WALLINGTON)	BERGEN	ANILINE (AND SALTS)	491
MANNINGTON MILLS INC (MANNINGTON TWP)	SALEM	COBALT COMPOUNDS	402

## Top 10 Transfers for Off-Site Recycling of Carcinogens – 2005 RPPR

### Top 10 Carcinogens Transferred Off Site for Recycling

CAS Number	SUBSTANCE NAME	Off-Site Recycling (pounds)	% of Total
7439-92-1 & N420	LEAD & COMPOUNDS	16,879,317	78.19 %
7440-02-0 & N495	NICKEL & COMPOUNDS	1,819,269	8.43 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	1,410,195	6.53 %
7440-48-4 & N096	COBALT & COMPOUNDS	1,067,633	4.95 %
75-09-2	DICHLOROMETHANE	207,765	0.96 %
79-01-6	TRICHLOROETHYLENE	114,266	0.53 %
91-20-3	NAPHTHALENE	49,515	0.23 %
1634-04-4	METHYL TERT-BUTYL ETHER	20,443	0.09 %
100-41-4	ETHYLBENZENE	15,298	0.07 %
71-43-2	BENZENE	2,941	0.01 %
<b>Sum of Top 10:</b>		<b>21,586,642</b>	<b>100.00 %</b>
<b>Sum Other:</b>		<b>890</b>	<b>0.00 %</b>
<b>Sum All:</b>		<b>21,587,532</b>	<b>100.00 %</b>

### Top 10 Facilities for Off-Site Transfers for Recycling of Carcinogens

FACILITY NAME (CITY)	COUNTY	Off-Site Recycling (pounds)	% of Total
JOHNSON CONTROLS BATTERY GROUP INC (NEW BRUNSWICK)	MIDDLESEX	14,251,071	66.02 %
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	1,097,017	5.08 %
THYSSEN KRUPP VDM USA, INC. (EAST HANOVER TWP)	MORRIS	956,724	4.43 %
STRYKER ORTHOPAEDICS (MAHWAH TWP)	BERGEN	697,013	3.23 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	658,382	3.05 %
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	569,994	2.64 %
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	537,766	2.49 %
RATHGIBSON (NORTH BRANCH)	SOMERSET	463,603	2.15 %
BIOMET FAIR LAWN, LP (FAIR LAWN BORO)	BERGEN	303,592	1.41 %
THE OKONITE COMPANY, INC (PATERSON)	PASSAIC	246,020	1.14 %
<b>Sum of Top 10:</b>		<b>19,781,182</b>	<b>91.63 %</b>
<b>Sum Other:</b>		<b>1,806,350</b>	<b>8.37 %</b>
<b>Sum All:</b>		<b>21,587,532</b>	<b>100.00 %</b>

### Top 10 Individual Reports of Off-Site Transfers for Recycling of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Recycling (pounds)
JOHNSON CONTROLS BATTERY GROUP INC (NEW BRUNSWICK)	MIDDLESEX	LEAD COMPOUNDS	14,251,071
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	NICKEL	685,906
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	LEAD	658,382
THYSSEN KRUPP VDM USA, INC. (EAST HANOVER TWP)	MORRIS	NICKEL	632,254
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	LEAD COMPOUNDS	569,994
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	LEAD	537,766
STRYKER ORTHOPAEDICS (MAHWAH TWP)	BERGEN	COBALT	479,284
RATHGIBSON (NORTH BRANCH)	SOMERSET	CHROMIUM	307,308
THE OKONITE COMPANY, INC (PATERSON)	PASSAIC	LEAD	246,020
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	COBALT	220,549

## Top 10 Transfers for Off-Site Energy Recovery of Carcinogens – 2005 RPPR

### Top 10 Carcinogens Transferred Off-Site for Energy Recovery

CAS Number	SUBSTANCE NAME	Off-Site Energy Recovery (pounds)	% of Total
100-44-7	BENZYL CHLORIDE	646,565	39.59 %
100-41-4	ETHYLBENZENE	580,520	35.54 %
91-20-3	NAPHTHALENE	120,666	7.39 %
100-42-5	STYRENE	79,892	4.89 %
75-09-2	DICHLOROMETHANE	74,174	4.54 %
8001-58-9	CREOSOTE	30,489	1.87 %
7440-02-0 & N495	NICKEL & COMPOUNDS	20,989	1.29 %
98-07-7	BENZOIC TRICHLORIDE	18,057	1.11 %
108-05-4	VINYL ACETATE	13,572	0.83 %
79-01-6	TRICHLOROETHYLENE	11,740	0.72 %
<b>Sum of Top 10:</b>		<b>1,596,664</b>	<b>97.76 %</b>
<b>Sum Other:</b>		<b>36,626</b>	<b>2.24 %</b>
<b>Sum All:</b>		<b>1,633,290</b>	<b>100.00 %</b>

### Top 10 Facilities for Off-Site Transfers for Energy Recovery of Carcinogens

FACILITY NAME (CITY)	COUNTY	Off-Site Energy Recovery (pounds)	% of Total
FERRO CORP (LOGAN TWP)	GLOUCESTER	664,622	40.69 %
SIEGFRIED(USA), INC. (PENNSVILLE)	SALEM	244,664	14.98 %
EXXON MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	206,488	12.64 %
BASF CORPORATION (BELVIDERE)	WARREN	79,541	4.87 %
COOK COMPOSITES AND POLYMERS CO. (PENNSAUKEN)	CAMDEN	66,562	4.08 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	65,784	4.03 %
SIKA CORPORATION (LYNDHURST)	BERGEN	48,431	2.97 %
JOHNSON MATTHEY INC (WEST DEPTFORD TWP)	GLOUCESTER	40,862	2.50 %
ME TEM CORPORATION (PARSIPPANY-TROY HILLS TWP)	MORRIS	33,386	2.04 %
ATLANTIC WOOD INDUSTRIES INC. (HAINESPORT)	BURLINGTON	30,986	1.90 %
<b>Sum of Top 10:</b>		<b>1,481,326</b>	<b>90.70 %</b>
<b>Sum Other:</b>		<b>151,964</b>	<b>9.30 %</b>
<b>Sum All:</b>		<b>1,633,290</b>	<b>100.00 %</b>

### Top 10 Individual Reports of Off-Site Transfers for Energy Recovery of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Energy Recovery (pounds)
FERRO CORP (LOGAN TWP)	GLOUCESTER	BENZYL CHLORIDE	646,565
SIEGFRIED(USA), INC. (PENNSVILLE)	SALEM	ETHYLBENZENE	234,237
EXXON MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	ETHYLBENZENE	134,384
EXXON MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	NAPHTHALENE	72,104
BASF CORPORATION (BELVIDERE)	WARREN	ETHYLBENZENE	66,871
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	STYRENE	65,784
COOK COMPOSITES AND POLYMERS CO. (PENNSAUKEN)	CAMDEN	ETHYLBENZENE	55,736
SIKA CORPORATION (LYNDHURST)	BERGEN	ETHYLBENZENE	48,431
JOHNSON MATTHEY INC (WEST DEPTFORD TWP)	GLOUCESTER	DICHLOROMETHANE	40,862
ATLANTIC WOOD INDUSTRIES INC. (HAINESPORT)	BURLINGTON	CREOSOTE	30,489



## Top 10 Destroyed through Off-Site Treatment of Carcinogens – 2005 RPPR

### Top 10 Carcinogens Transferred Off-Site for Treatment (Destruction)

CAS Number	SUBSTANCE NAME	Off-Site Treatment (pounds)	% of Total
7439-92-1 & N420	LEAD & COMPOUNDS	311,045	45.60 %
78-87-5	1,2-DICHLOROPROPANE	104,000	15.25 %
75-09-2	DICHLOROMETHANE	100,608	14.75 %
26471-62-5	TOLUENE DIISOCYANATE (MIXED ISOMERS)	52,853	7.75 %
100-41-4	ETHYLBENZENE	26,969	3.95 %
140-88-5	ETHYL ACRYLATE	20,358	2.98 %
100-42-5	STYRENE	19,916	2.92 %
1634-04-4	METHYL TERT-BUTYL ETHER	9,059	1.33 %
107-13-1	ACRYLONITRILE	6,574	0.96 %
96-45-7	ETHYLENE THIOUREA	5,935	0.87 %
<b>Sum of Top 10:</b>		<b>657,317</b>	<b>96.36 %</b>
<b>Sum Other:</b>		<b>24,820</b>	<b>3.64 %</b>
<b>Sum All:</b>		<b>682,137</b>	<b>100.00 %</b>

### Top 10 Facilities for Off-Site Transfers for Treatment (Destruction) of Carcinogens

FACILITY NAME (CITY)	COUNTY	Off-Site Treatment (pounds)	% of Total
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	241,600	35.42 %
LANXESS SYBRON CHEMICALS (BIRMINGHAM)	BURLINGTON	106,500	15.61 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	103,822	15.22 %
MADISON INDUSTRIES INC (OLD BRIDGE TWP)	MIDDLESEX	49,750	7.29 %
AIR PRODUCTS & CHEMICALS INC (PAULSBORO)	GLOUCESTER	48,200	7.07 %
LUBRIZOL ADVANCED MATERIALS INC (OLDMANS TWP)	SALEM	29,785	4.37 %
GGB, LLC (THOROFARE)	GLOUCESTER	16,205	2.38 %
VIKING YACHT CO CORP (NEW GRETN A)	BURLINGTON	14,444	2.12 %
JOHNSON MATTHEY INC (WEST DEPTFORD TWP)	GLOUCESTER	12,206	1.79 %
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	7,741	1.13 %
<b>Sum of Top 10:</b>		<b>630,253</b>	<b>92.39 %</b>
<b>Sum Other:</b>		<b>51,884</b>	<b>7.61 %</b>
<b>Sum All:</b>		<b>682,137</b>	<b>100.00 %</b>

### Top 10 Individual Reports of Off-Site Transfers for Treatment (Destruction) of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Treatment (pounds)
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD COMPOUNDS	241,600
LANXESS SYBRON CHEMICALS (BIRMINGHAM)	BURLINGTON	1,2-DICHLOROPROPANE	104,000
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	DICHLOROMETHANE	78,652
MADISON INDUSTRIES INC (OLD BRIDGE TWP)	MIDDLESEX	LEAD COMPOUNDS	49,750
AIR PRODUCTS & CHEMICALS INC (PAULSBORO)	GLOUCESTER	TOLUENE DIISOCYANATE (MIXED ISOMERS)	48,200
LUBRIZOL ADVANCED MATERIALS INC (OLDMANS TWP)	SALEM	ETHYL ACRYLATE	20,289
GGB, LLC (THOROFARE)	GLOUCESTER	LEAD	16,205
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	ETHYLBENZENE	16,157
VIKING YACHT CO CORP (NEW GRETN A)	BURLINGTON	STYRENE	14,444
JOHNSON MATTHEY INC (WEST DEPTFORD TWP)	GLOUCESTER	DICHLOROMETHANE	12,206

## Top 10 Off-Site Transfers for Disposal of Carcinogens – 2005 RPPR

### Top 10 Carcinogens Transferred Off-Site for Disposal

CAS Number	SUBSTANCE NAME	Off-Site Disposal (pounds)	% of Total
7439-92-1 & N420	LEAD & COMPOUNDS	306,456	58.80 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	80,595	15.46 %
7440-48-4 & N096	COBALT & COMPOUNDS	55,111	10.57 %
7440-02-0 & N495	NICKEL & COMPOUNDS	38,476	7.38 %
N020	ARSENIC COMPOUNDS	12,275	2.36 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	4,997	0.96 %
7440-43-9 & N078	CADMIUM & COMPOUNDS	4,888	0.94 %
N583	POLYCHLORINATED ALKANES	4,234	0.81 %
25321-22-6	DICHLOROBENZENE (MIXED ISOMERS)	2,633	0.51 %
91-20-3	NAPHTHALENE	2,373	0.46 %
<b>Sum of Top 10:</b>		<b>512,038</b>	<b>98.25 %</b>
<b>Sum Other:</b>		<b>9,113</b>	<b>1.75 %</b>
<b>Sum All:</b>		<b>521,151</b>	<b>100.00 %</b>

### Top 10 Facilities for Off-Site Transfers for Disposal of Carcinogens

FACILITY NAME (CITY)	COUNTY	Off-Site Disposal (pounds)	% of Total
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	118,852	22.81 %
STRYKER ORTHOPAEDICS (MAHWAH TWP)	BERGEN	67,783	13.01 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	59,209	11.36 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	30,463	5.85 %
SETON COMPANY LEATHER DIVISION (NEWARK)	ESSEX	28,921	5.55 %
GGB, LLC (THOROFARE)	GLOUCESTER	25,910	4.97 %
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	22,272	4.27 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	19,415	3.73 %
BASF CATALYSTS, LLC (EAST NEWARK)	HUDSON	13,626	2.61 %
OLD BRIDGE CHEMICALS INC (OLD BRIDGE TWP)	MIDDLESEX	12,600	2.42 %
<b>Sum of Top 10:</b>		<b>399,051</b>	<b>76.57 %</b>
<b>Sum Other:</b>		<b>122,100</b>	<b>23.43 %</b>
<b>Sum All:</b>		<b>521,151</b>	<b>100.00 %</b>

### Top 10 Individual Reports of Off-Site Transfers for Disposal of Carcinogens

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Disposal (pounds)
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	LEAD COMPOUNDS	118,852
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	LEAD COMPOUNDS	59,209
STRYKER ORTHOPAEDICS (MAHWAH TWP)	BERGEN	COBALT	46,646
SETON COMPANY LEATHER DIVISION (NEWARK)	ESSEX	CHROMIUM COMPOUNDS	28,921
GGB, LLC (THOROFARE)	GLOUCESTER	LEAD	25,910
STRYKER ORTHOPAEDICS (MAHWAH TWP)	BERGEN	CHROMIUM	21,137
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	LEAD COMPOUNDS	19,055
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	NICKEL COMPOUNDS	13,957
BASF CATALYSTS, LLC (EAST NEWARK)	HUDSON	LEAD COMPOUNDS	13,626
OLD BRIDGE CHEMICALS INC (OLD BRIDGE TWP)	MIDDLESEX	LEAD COMPOUNDS	12,600