new jersey department of environmental protection

COMMUNITY RIGHT TO KNOW ANNUAL REPORT FOR REPORTING YEAR 2004

An Analysis of Community Right To Know Data for 2004

January 2007

Jon S. Corzine, Governor
Lisa P. Jackson, Commissioner

The Community Right To Know Annual Report

for

Reporting Year 2004

New Jersey Department of Environmental Protection
Environmental Regulation
Division of Environmental Health and Safety
Office of Pollution Prevention and Right To Know
P.O. Box 443
Trenton, NJ 08628-0443
(609) 777-0518

www.state.nj.us/dep/opppc

Jon S. Corzine, Governor
Lisa P. Jackson, Commissioner

To all residents of New Jersey:

The New Jersey Department of Environmental Protection (NJDEP) is pleased to present The Community Right to Know Annual Report for Survey Year 2004. This report provides summaries and analyses of the 2004 hazardous substances inventory data and the facility chemical throughput, environmental release, on-site waste management and off-site transfer data reported by New Jersey companies. *The report represents a landmark 20th year of collecting hazardous substances inventory data in New Jersey!*

Industrial facilities in New Jersey use hazardous substances in their day-to-day manufacturing operations to produce the goods and services needed to keep the state's and the nation's economy strong and growing. While hazardous substances play a vital role for these facilities and the state, they can also pose potential risks to workers, the general public and the environment if they are not properly managed. People living and working in communities across the state have a right to know about the hazardous substances stored at facilities within the community and how facilities manage these chemicals. An informed public can provide meaningful input into the community's emergency services and into developing ways to plan for and reduce potential risks to the community posed by these chemicals. Additionally, facilities can use this data to assess its operations and make informed decisions regarding potential pollution reduction activities.

The NJDEP is committed to providing the most thorough and useful data and analysis to both the public and the regulated community. As such, I encourage you to complete and submit the Annual Report Readers' Response form found at the end of this report. Results of the survey will assist the NJDEP in determining how best to structure and at what frequency to publish future reports.

Lisa P. Jackson
Commissioner

Table of Contents

List of Figures

List of Tables

The Community Right to Know Annual Report for 2004

The Community Right to Know Program

A program designed to collect information about the storage, release and transfer of hazardous substances in the community and to provide citizens and government agencies with access to that information.

I. Introduction

The purpose of this report is to provide public information on the storage, use, generation, and waste management, including releases, of hazardous substances in New Jersey. Data evaluated in the report were submitted by employers that are regulated under the New Jersey Worker and Community Right to Know Act (N.J.S.A. 34:5A-1 et seq.) and subsequent regulations. The information is a summary of the data collected by the department on the Community Right To Know (CRTK) Survey and the Release and Pollution Prevention Report (RPPR) in March and July of 2005, respectively, for calendar year 2004. The CRTK and RPPR data used for this report were updated on February 23, 2006, and has since been locked to ensure that the data set remains consistent.

This report reviews total statewide data for hazardous substances and evaluates information on specific chemicals, facilities, industry codes, and counties as well. Included are data summaries and detailed evaluations for calendar year 2004. This single-year assessment provides the most current data available on the use, generation, and release of hazardous substances in New Jersey. The data release includes over 100 tables and charts on the various ways facilities stored, used and managed their hazardous substances. The information presented in this report may be used to identify areas of the state where industry density, as well as chemical storage by industry, was the heaviest. These data do not indicate increased health risks or greater individual exposures to hazardous substances compared to any other region in the state.

The NJDEP encourages the staff of industrial facilities and the general public to review and ask questions concerning the data and analyses presented in this report. It has been three years since the NJDEP provided a detailed accounting of toxic and hazardous chemical use in New Jersey and eight years since the Department has prepared a summary of hazardous substance inventory data as reported under the CRTK program. In the future, we plan to publish annual reports on a regular schedule and feedback from a diverse community of stakeholders will help improve our ability to provide meaningful information. Therefore, you are asked to complete the *2004 Annual Report Readers' Response* form found on page 133 and return it with your comments to the address provided. Thank You! Also, a companion Trends Report, analyzing changes in the use of hazardous substance and the generation as nonproduct output for reporting years 1994 – 2004, is being published by the Department. We welcome your comments on that document as well.

II. Background

A. The Worker and Community Right to Know Act

New Jersey was one of the first states in the country to require public reporting of toxic and hazardous chemical inventory data and chemical throughput and multi-media environmental release data, and to establish a mechanism for the promotion of public awareness of the information. In passing the New Jersey Worker and Community Right to Know (W&CRTK) Act in 1983,[1] the New Jersey Legislature determined that:

> "…it is in the public interest to establish a comprehensive program for the disclosure of information about hazardous substances in the workplace and the community, and to provide a procedure whereby residents of this State may gain access to this information."

Information submitted by facilities under the W&CRTK Act includes two types of data. The first is hazardous substance inventory data. Inventory data covers the substances that are stored on site during the year at facilities in New Jersey. Included, among other information, are the substance name, its physical state (solid, liquid or gas), the average daily and maximum daily amounts on site (by use of inventory range codes), container types and hazard codes (e.g. health hazards, flammables, etc.). These data are submitted annually on the Community Right To Know (CRTK) Survey. The substances are those found on the CRTK Environmental Hazardous Substance (EHS) list. The EHS list includes, among other chemicals, the Extremely Hazardous Substances (ExHS) as defined by the federal Emergency Planning and Community Right To Know Act of 1986 (EPCRA), Section 302 emergency planning provisions, and Toxic Chemicals as defined by EPCRA Section 313, the Toxic Chemical Release Inventory (TRI).

The second data type collected under the W&CRTK Act is commonly referred to as facility-level "materials accounting data" that provides a complete view of hazardous substances as they flow through a facility's manufacturing operations and the community. This unique information, which is collected only in the state of New Jersey, provides insight into annual chemical throughput and pollution prevention accomplishments that cannot be seen by analyzing other data such as the federal TRI. Under NJDEP's materials accounting requirements, an employer reports approximately 20 different data elements that make up a complete accounting of the hazardous substance throughput. Data are reported annually in pounds to the NJDEP on a form known as the Release and Pollution Prevention Report (RPPR). Materials accounting data permits the calculation of chemical inputs and outputs, the generation of mass balances (inputs should equal outputs), and the tracking of trend data over longer periods of time.

This report evaluates the data for all hazardous substances required to be reported on the CRTK Survey and the RPPR under the W&CRTK Act and regulations. Further, three separate groups of "chemicals of concern" that are reported on the RPPR are tracked: Carcinogens; Persistent, Bioaccumulative, and Toxic (PBT) substances; and Dioxin and Dioxin-like Compounds. These

1 N.J.S.A. 34:5A L.1983, c. 315, s. 1, effective Aug. 29, 1984

three groups pose significant risks to human health and the environment and, therefore, tracking these substances separately helps keep the public informed of the details for these important chemicals.

B. Hazardous Substances Inventory

New Jersey employers are in businesses that may be regulated by the state W&CRTK Act, the federal EPCRA, also known as Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA), or both. A regulated employer is required to report its inventory of the hazardous substances manufactured, used, or stored at its facility. Appendix A shows the business activities, according to the North American Industry Classification System (NAICS), that are subject to submitting the CRTK Survey. Inventory information is collected and made available to the public and to emergency responders such as police and fire departments and local offices of emergency management. It is also used to supplement other regulatory programs within the state and to facilitate proper planning for a response to an emergency at a facility that may threaten the surrounding community or the environment.

Approximately 30,000 regulated employers are covered annually by the hazardous substance inventory reporting requirements. Of these employers, about 9,700 reported inventories of hazardous substances above threshold quantities for reporting year (RY) 2004. For RY 2004 there were 958 unique substances and compound categories on the CRTK EHS list, including 357 substances on the EPCRA ExHS list.

The state and federal CRTK laws are similar in concept although coverage and reporting requirements differ between the two laws. Businesses covered under the state and/or the federal CRTK laws are required to report their chemical inventories to the NJDEP on the NJ CRTK Survey by March 1 of each year. The W&CRTK Act regulates employers by business activity, that is, those that are most likely to store and use hazardous substances. Business activities were once designated by the Standard Industrial Classification (SIC) code system and are now designated by the NAICS code (see Appendix A for the list of New Jersey regulated NAICS codes). Coverage under the federal EPCRA law is based on the quantity of a hazardous substance stored on site at the facility without concern to its industrial classification or business activity. (The only exception applies to public sector employers.)

The CRTK Survey consists of two parts for reporting purposes and provides for compliance with both the state and federal requirements. Part 1 is for general facility information and must be completed by a New Jersey regulated employer even if it does not produce, use, or store NJ EHSs. Part 2 of the Survey is the hazardous substance inventory form for listing EHSs stored, produced, or used at a facility above threshold quantities. Business activities not covered under the state law, that is, not listed in Appendix A, are required under Section 312 of federal EPCRA to report their chemical inventories if quantities of hazardous substances produced, used or stored on site exceeded the federal reporting thresholds. For these businesses, submission of the New Jersey CRTK Survey replaces the federal Tier I and Tier II forms required by Section 312 of EPCRA.

C. Emergency Planning & Notification

The federal EPCRA, emergency planning sections (§301 - §303), were designed to develop state and local governments' emergency response and preparedness capabilities through better coordination and planning, especially within the local community. A pivotal step in the process is identifying facilities subject to the emergency planning provisions. All facility owners or operators, whether public or private, are required to notify the NJDEP if any chemical on the United States Environmental Protection Agency (USEPA) list of Extremely Hazardous Substances (357 chemicals in 2004) is present at the facility in excess of the chemical's threshold planning quantity (TPQ). Extremely Hazardous Substances are those chemicals likely to result in serious, irreversible health effects if a release with exposure were to occur. Facilities that meet the regulatory requirements must notify the NJDEP and the Local Emergency Planning Committee (LEPC) that they are subject to these requirements within 60 days after they begin to manufacture, use or store any ExHS at or above the TPQ.

D. Release and Pollution Prevention Report

The New Jersey reporting requirements for the RPPR are closely linked to the requirements for the federal TRI pursuant to EPCRA Section 313. For RY 2004 any New Jersey employer required to submit a TRI form (Form R including release data or the shorter Form A Certification Statement) was also required to submit the RPPR. The RPPR is used to collect information for the NJDEP Community Right to Know and Pollution Prevention programs. Owners and operators of facilities that meet all three of the following criteria must file the TRI forms and the RPPR:

- the facility's business activity is included in Standard Industrial Classification (SIC) codes 20 through 39, 4911 (limited to facilities that combust coal and/or oil for the purpose of generating electricity for distribution in commerce), 4931 (limited to facilities that combust coal and/or oil for the purpose of generating electricity for distribution in commerce), 4939 (limited to facilities that combust coal and/or oil for the purpose of generating electricity for distribution in commerce), 4953 (limited to facilities regulated under RCRA subtitle C, 42 U.S.C. section 6921 et seq.), 5169, and 5171; (under the TRI employers are still classified by SIC code; conversion to NAICS codes is in the works under a federal rule making process – see Appendix B for the complete list of regulated SIC Codes); and

- the facility has 10 or more full-time employees or the equivalent (that is, the facility's payroll includes 20,000 or more work-hours for the reporting year); and

- the facility manufactures (defined to include import), processes, or otherwise uses any TRI listed chemical in quantities equal to or greater than the established threshold (for most substances the thresholds are 25,000 pounds for manufacture or process, and 10,000 pounds for otherwise use; however for persistent, bioaccumulative and toxic (PBT) substances the threshold may be 100 or 10 pounds, or even 0.1 gram for "Dioxin and Dioxin-like Compounds."

Facilities that are required to complete one or more federal TRI Form R or Form A must provide additional information to NJDEP regarding the EPCRA Section 313 toxic chemicals that were reported on the TRI forms. These facilities are required to submit the RPPR, as well as the TRI forms, by July 1 of the year that follows the reporting year. Like the TRI forms, the data reported on the RPPR are facility-wide, chemical-specific annual quantities for the previous calendar year. In addition to quantities of environmental releases, on-site management of wastes, and off-site transfers that are reported on Form R (or the substance name only as reported on the Form A), chemical throughput data and annual pollution prevention activity information are collected on the RPPR. These result in a comprehensive collection of data also known as materials accounting, mass balance or chemical use information. Materials accounting is the preferred term by NJDEP.

The NJDEP's Office of Pollution Prevention and Right To Know evaluates these data for potential applications to several goals. One major goal is that of tracking, compiling and disseminating information for public availability. A primary goal is that of decreasing, if not eliminating, whenever and wherever possible, the amount of toxic chemicals produced, used, and/or generated as waste (the last known as "nonproduct output" or NPO) in the state. For RY 2004, 510 facilities submitted materials accounting data on the RPPR. There are currently 578 specific toxic chemicals and 30 chemical categories as defined under the TRI, Section 313 of EPCRA – this is the same list of substances that are reported on the RPPR.

E. What is Materials Accounting Data?

Materials accounting is a practical application of the chemical mass balance theory. Materials accounting is based on the simple scientific principal of the conservation of matter where all chemical inputs at a facility should balance with the outputs, that is matter changes form but cannot be created nor destroyed. Materials accounting data provide a complete picture on the use of hazardous substances at many of New Jersey's larger manufacturing and some non-manufacturing sector facilities. From chemicals transported through communities to an industrial facility, to the manufacture of intermediate and final products at the site, to chemicals shipped off-site as (or in) products or as wastes, and chemicals released into the environment, materials accounting data identify the quantity of toxic chemicals involved each step of the way. Figure 1 outlines the basic structure for materials accounting data showing the flow of hazardous substances as they move through a facility. Public reporting based on this simple concept opens the door for a broader understanding of the various uses of toxic chemicals at industrial facilities and how they might potentially impact a community and its residents.

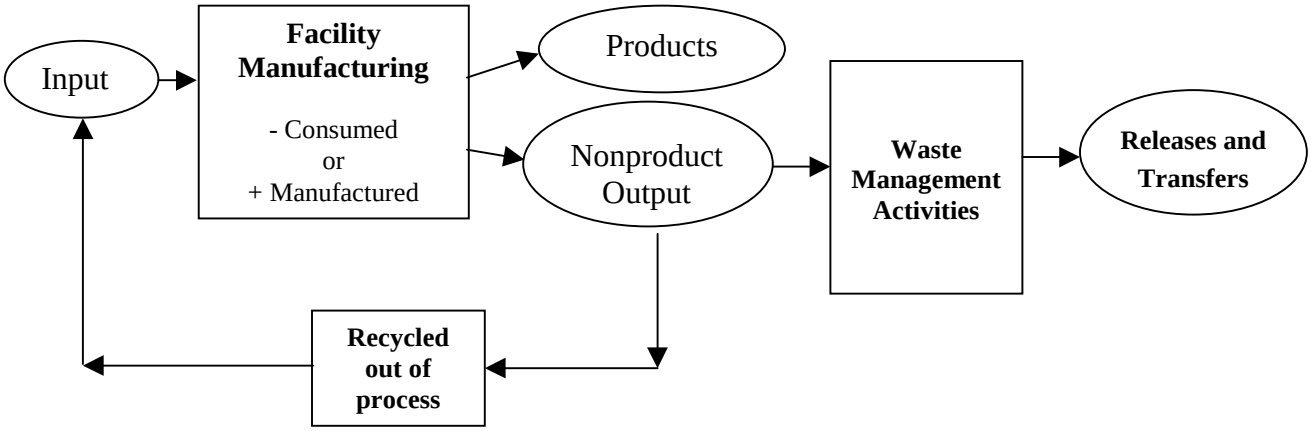


Figure 1. Overview of Materials Accounting Data

See Appendix C for a more detailed description of NJ's materials accounting data. This includes a listing and definition for all of the materials accounting data elements reported on the RPPR and a sample of the 2004 RPPR reporting form, Section B.

F. How Does NJDEP Use This Information?

Hazardous substance inventory data are valuable to many activities both within the department and to outside users. As stated earlier, inventory data are collected and made available to the public and to emergency responders such as police and fire departments and other local offices of emergency management. Inventory data are used by NJDEP inspectors to audit non-reporting facilities in similar business activities. Data from the program have been used to conduct research or improve compliance by the air pollution, science, research and technology, site remediation, and release prevention programs, the NJ Department of Health and Senior Services, and others. Most recently, the NJDEP used hazardous substance inventory data to reach out to certain employers and advise them of potential reporting obligations under the TRI and RPPR programs.

The NJDEP uses materials accounting data to help design policies and implement programs to reduce potential risks posed by the use and release of hazardous substances. Data are used in three basic ways:

(1) to identify priorities for programs by conducting analyses of significant contributors to releases, variations over time, geographic patterns, and other analyses;
(2) to identify pollution prevention opportunities; that is, reductions in the use of hazardous substances and the generation of hazardous substances as nonproduct output; and,
(3) to provide a better understanding of facility operations during permit reviews and compliance inspections.

Overall, NJDEP has made significant progress in upgrading our information technology infrastructure through the implementation of the New Jersey Environmental Management System (NJEMS). This central computer system has improved our ability to compile and analyze both chemical inventory and materials accounting data and to make the data available to NJDEP staff, emergency personnel and the public. The NJDEP will continue to make greater use of the information it receives to ensure that its programs and policies focus on priority issues and provide accountability to track progress over time.

G. Quality Assurance and Quality Review for Data Accuracy

The NJDEP reviews the raw inventory and materials accounting data submitted by facilities to identify reporting mistakes and to improve the quality of the data. We have field inspectors who review data while in the office, visit facilities and conduct site audits to enhance data quality. Also, the internet-based CRTK reporting software contains program logic, data checks and warning messages that flag data entry errors.

From the reported RPPR data, total input and output quantities are calculated. Using these two calculated values, an assessment is made of the mass balance, or closure, achieved in the materials accounting process. The resultant discrepancies in materials accounting are then addressed as either a quantitative difference or a percent error. Facilities are required to provide their best estimates of reported values; not necessarily an exact accounting of every pound for every chemical. That is, they are not required to measure or monitor for any value beyond the requirements of existing federal or state permitting laws, requirements or conditions.

The department traditionally investigated discrepancies between inputs and outputs, especially the large ones, to gain a better understanding of the underlying reasons for any errors. A facility that reports large quantitative or percent errors is contacted and NJDEP staff discusses the calculated discrepancies. These discussions prove to be beneficial in several ways. First, facility personnel receive direct technical guidance from department staff. Second, revised reports may then be submitted, improving the overall quality of the database. Third, the NJDEP staff is alerted to misunderstandings or misinterpretations of the instructions and, therefore, the errors made in the completion of the reporting form. While most facilities revise data to correct identified discrepancies, a few facilities choose not to make corrections, so the database does contain data that are not as accurate as they otherwise might be.

One outcome of these annual reviews was a new rule effective RY 2004 requiring that all reports be submitted using the Department's internet-based electronic RPPR form (eRPPR) that was first made available for RY 2000 under NJEMS. The eRPPR contains program logic, error checks and warning messages that minimize, if not eliminate, materials accounting discrepancies and numerous other reporting errors noted through previous quality assurance reviews of paper submissions. This is a major step forward in providing the most accurate data possible. Another new rule requirement effective RY2004 is that the total input and output quantities may not differ by more than five percent.

III. HAZARDOUS SUBSTANCES INVENTORY SUMMARY FOR 2004

The 2004 Community Right to Know (CRTK) Survey was mailed to approximately 33,000 employers covered by the New Jersey Worker and Community Right to Know (W&CRTK) Act. The purpose of the Survey is to collect information about NJ Environmental Hazardous Substances (EHS) that were produced, used or stored during the calendar year. In the preparation of the CRTK Survey, New Jersey employers must be aware of the reporting requirements of both the state and the federal CRTK programs. The state W&CRTK Act designates certain business activities, according to their North American Industry Classification System (NAICS) code, that are subject to the state reporting requirements (see Appendix A). These facilities reported inventories for substances on the EHS list as well as any additional substances that exceeded the federal threshold of 10,000 pounds that were not on the EHS list. For 2004, the EHS list included 958 unique substances and chemical compound categories. Each chemical category may cover hundreds of chemicals as well but are summarized and reported under the category name. Also, there were businesses that reported only according to the requirements of the federal Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) while not being covered under the state law.

For reporting year 2004, chemical inventory data were submitted by more than 9,700 facilities that reported nearly 42,000 EHS records, where a record represents a chemical substance entry on the CRTK Survey. A substance may be reported more than once at any one facility.

Conditions that would cause a substance to be reported multiple times are: different container types; different physical states of the substance (e.g. liquid vs. solid); storage at multiple locations within a facility; and storage of the substance in both a pure form and a mixture. Of the facilities that reported hazardous substance inventories, more than 9,100 were NJ CRTK-regulated employers reporting nearly 39,000 EHS records. Approximately 600 EPCRA-only facilities reported about 2,700 NJ environmental hazardous substance records.

Further, more than 3,700 facilities, both NJ CRTK-regulated and EPCRA only, reported over 11,500 hazardous substance inventory records subject to the federal 10,000-pound threshold. Since these substances are not on the New Jersey EHS list, the reporting of them does not conform to standardized substance names and identification numbers. Such substance records introduce data quality issues and can not be summarized and analyzed in any simplified manner. Therefore, these substance records are not included in the data analyses and summaries that follow. Only selected details of the EHS inventory data have been extracted to produce substance profiles and summaries.

The CRTK Survey may be submitted using the state's internet-based electronic reporting form (eCRTK) or by submission of a paper copy. Of the facilities that reported EHS inventories above threshold quantities, more than 4,000 facilities submitted eCRTKs for about 19,700 substance records, and about 5,600 facilities submitted over 21,900 substance records on paper forms. The Office of Pollution Prevention and Right To Know continues to make it easier for employers to submit electronically and encourages them to do so. Some of the many benefits to electronic

reporting include: pre-population of certain data elements on the reporting form; on-line storage and form-saving features during the preparation process; minimizing, if not eliminating, reporting errors; instantaneous submission to NJDEP upon certification; and on-line revision capabilities for the last three reporting years.

Nearly 2,500 facilities reported almost 5,100 records for substances on the EPCRA Section 302 Extremely Hazardous Substance (ExHS) list. These records represent any quantity of the ExHS on site at any one time. The facilities are required to develop emergency management plans and evacuation procedures and to notify the appropriate authorities about such plans when the substance is stored in excess of the threshold planning quantity for each individual substance.

Table 1 presents the top 40 NJ EHSs that were reported by all regulated businesses at any quantity during 2004. Table 2 presents the top 40 NJ EHSs that were reported by all regulated businesses at a daily inventory of 10,000 pounds or more for 2004. Table 3 presents the top 20 EPCRA Section 302 ExHSs that were reported by all regulated businesses at any quantity during 2004. Table 4 presents the top 20 EPCRA ExHSs by all regulated businesses at a daily inventory of 10,000 pounds or more for 2004. Note that Tables 3 and 4 each have 21 different substances listed. In Table 3, the last three listings were tied for #20 and in Table 4, the last two listings were tied. The lists in each table have been ranked in descending order by the number of times each substance was reported. A substance may have been reported more than once by any facility if different storage conditions existed at the facility (as described previously on page 8). These substances were reported in pure form or in a mixture, as a raw material, as a finished product, as a waste, or as used by a facility in its day-to-day operations, including heating or building maintenance.

Figure 2 presents the number of facilities, by county, reporting maximum daily inventories of 10,000 pounds or more of EHSs for 2004. For 2004, Salem County had the fewest facilities (48) reporting hazardous substance inventories at greater than 10,000 pounds while Cape May had the fewest number of substance records (103) reported at 10,000 pounds or more. Middlesex County edged out Bergen County by one with the highest number of facilities (481) reporting inventories and Middlesex County had the highest number of EHS records (1,217) greater than 10,000 pounds. These data include NJ environmental hazardous substances found in a pure form or contained in a mixture.

Table 1. The Top 40 Most Frequently Reported Environmental Hazardous Substances[2] on the 2004 Community Right To Know Survey at any Inventory Quantity

CAS #	SUBSTANCE NAME	# of Facilities	# of Records[3]
68476-34-6	DIESEL FUEL	2,452	3,255
8006-61-9	GASOLINE	2,653	2,925
107-21-1	ETHYLENE GLYCOL	1,747	2,757
74-98-6	PROPANE	1,654	2,172
7664-93-9	SULFURIC ACID	1,469	2,055
108-88-3	TOLUENE	754	1,619
74-86-2	ACETYLENE	1,466	1,540
7439-92-1	LEAD	1,323	1,489
67-56-1	METHANOL	739	1,375
1330-20-7	XYLENE (MIXED ISOMERS)	638	1,232
127-18-4	TETRACHLOROETHYLENE [PERCHLOROETHYLENE]	1,027	1,199
67-63-0	ISOPROPYL ALCHOHOL	562	1,156
7647-01-0	HYDROCHLORIC ACID	335	660
N230	GLYCOL ETHERS (EXCEPT SURFACTANTS)	222	603
N982	ZINC COMPOUNDS	229	575
75-09-2	DICHLOROMETHANE	315	526
8008-20-6	KEROSENE	401	490
7440-50-8	COPPER	325	458
7664-41-7	AMMONIA	325	453
110-54-3	N-HEXANE	188	374
75-45-6	CHLORODIFLUOROMETHANE [HCFC-22]	196	355
7697-37-2	NITRIC ACID	207	355
100-41-4	ETHYLBENZENE	183	352
108-10-1	METHYL ISOBUTYL KETONE	227	351
71-36-3	N-BUTYL ALCOHOL	198	306
N420	LEAD COMPOUNDS	195	280
7440-02-0	NICKEL	164	264
1344-28-1	ALUMINUM OXIDE (FIBROUS FORMS)	124	261
71-55-6	1,1,1-TRICHLOROETHANE	194	242
7429-90-5	ALUMINUM (FUME OR DUST)	174	242
N100	COPPER COMPOUNDS [WITH EXCEPTIONS]	129	237
75-28-5	ISOBUTANE	137	228
95-63-6	1,2,4-TRIMETHYLBENZENE	127	228
N090	CHROMIUM COMPOUNDS	127	226
50-00-0	FORMALDEHYDE	137	220
N495	NICKEL COMPOUNDS	112	214
75-05-8	ACETONITRILE	48	213
9002-86-2	PVC (CHLOROETHYLENE, POLYMER)	131	206
75-71-8	DICHLORODIFLUOROMETHANE [CFC-12]	161	195
1333-74-0	HYDROGEN	122	187
	TOTAL:	**9,358**	**32,075**

2 For 2004 there were 958 unique substances and chemical compound categories on the NJ EHS List. The numbers reported can represent multiple substance records for a single facility (i.e. the substance was reported more than once by a facility).

3 The number of records in the database, i.e. the number of times the substance was reported.

Table 2. The Top 40 Most Frequently Reported Environmental Hazardous Substances[2] on the 2004 Community Right To Know Survey at an Inventory of 10,000 Pounds or more

CAS #	SUBSTANCE NAME	# of Facilities	# of Records[3]
8006-61-9	GASOLINE	2,021	2,178
68476-34-6	DIESEL FUEL	1,685	1,964
7439-92-1	LEAD	467	479
7664-93-9	SULFURIC ACID	238	320
8008-20-6	KEROSENE	184	227
107-21-1	ETHYLENE GLYCOL	126	203
74-98-6	PROPANE	147	175
1330-20-7	XYLENE (MIXED ISOMERS)	80	139
67-63-0	ISOPROPYL ALCHOHOL	80	122
9002-86-2	PVC (CHLOROETHYLENE, POLYMER)	73	122
108-88-3	TOLUENE	81	117
67-56-1	METHANOL	77	108
7440-50-8	COPPER	77	103
N982	ZINC COMPOUNDS	58	100
N230	GLYCOL ETHERS (EXCEPT SURFACTANTS)	50	85
7647-01-0	HYDROCHLORIC ACID	58	80
1344-28-1	ALUMINUM OXIDE (FIBROUS FORMS)	41	72
N420	LEAD COMPOUNDS	42	64
7664-41-7	AMMONIA	43	58
110-54-3	N-HEXANE	28	51
7429-90-5	ALUMINUM (FUME OR DUST)	37	49
75-09-2	DICHLOROMETHANE	25	44
80-62-6	METHYL METHACRYLATE	24	43
95-63-6	1,2,4-TRIMETHYLBENZENE	26	42
75-45-6	CHLORODIFLUOROMETHANE [HCFC-22]	31	41
N100	COPPER COMPOUNDS [WITH EXCEPTIONS]	27	41
71-36-3	N-BUTYL ALCOHOL	29	39
100-42-5	STYRENE	32	37
100-41-4	ETHYLBENZENE	18	36
7722-84-1	HYDROGEN PEROXIDE	26	36
7697-37-2	NITRIC ACID	22	35
7440-47-3	CHROMIUM	22	34
108-10-1	METHYL ISOBUTYL KETONE	26	32
N010	ANTIMONY COMPOUNDS	20	32
N090	CHROMIUM COMPOUNDS	25	32
7632-00-0	SODIUM NITRITE	17	30
7440-02-0	NICKEL	23	29
84-66-2	DIETHYL PHTHALATE	21	29
872-50-4	N-METHYL-2-PYRROLIDONE	18	29
N040	BARIUM COMPOUNDS [EXCEPT BARIUM SULFATE]	17	29
	TOTAL:	**3,899**	**7,486**

2 For 2004 there were 958 unique substances and chemical compound categories on the NJ EHS List. The numbers reported can represent multiple substance records for a single facility (i.e. the substance was reported more than once by a facility).

3 The number of records in the database, i.e. the number of times the substance was reported.

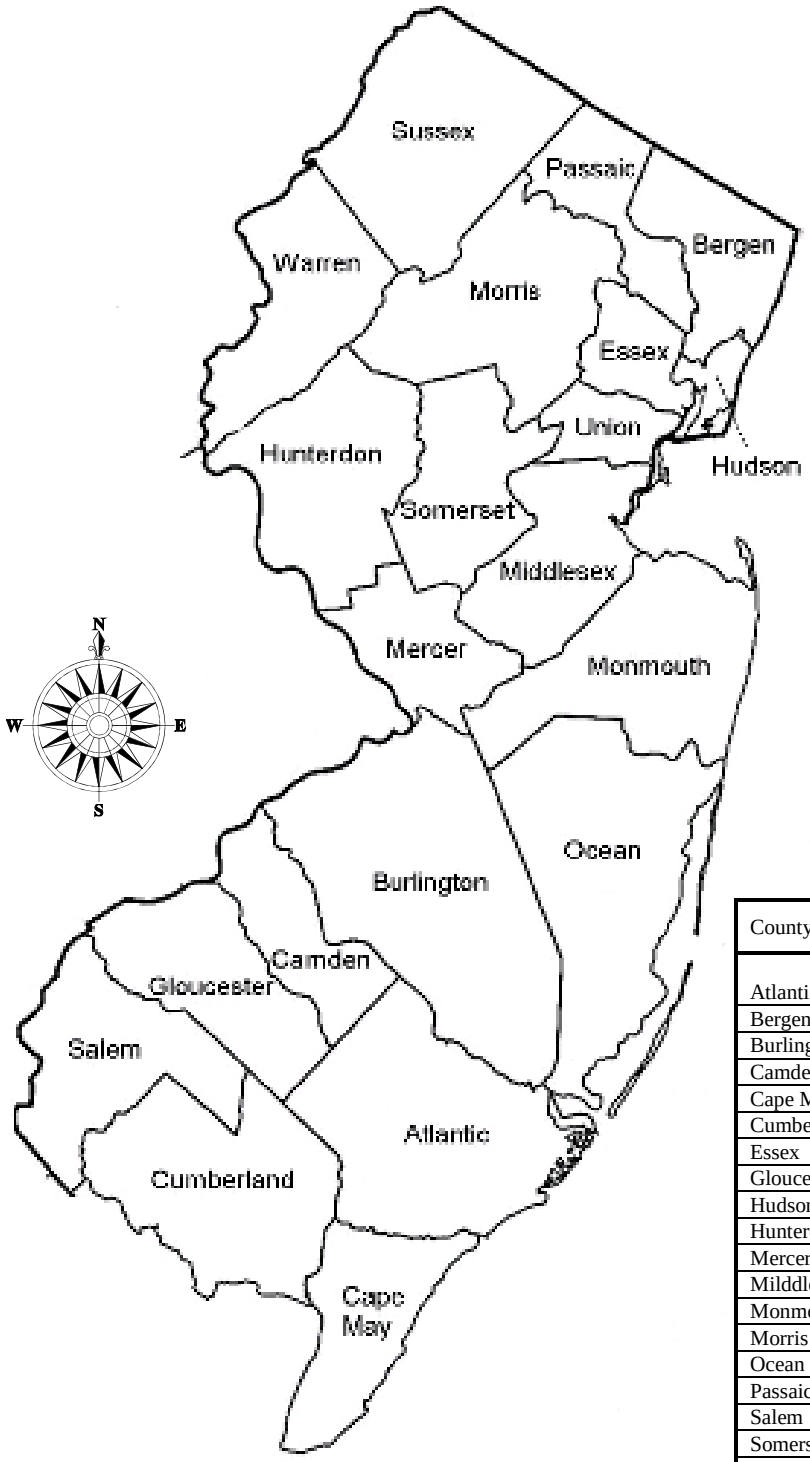
Table 3. The Top 20 Most Frequently Reported Extremely Hazardous Substances[4] on the 2004 Community Right To Know Survey at any Inventory Quantity

CAS #	SUBSTANCE NAME	# of Facilities	# of Records
7664-93-9	SULFURIC ACID	1,471	2,057
7647-01-0	HYDROGEN CHLORIDE GAS (ONLY)	326	644
7664-41-7	AMMONIA	326	453
7697-37-2	NITRIC ACID	207	354
50-00-0	FORMALDEHYDE	137	220
7722-84-1	HYDROGEN PEROXIDE	117	174
7664-39-3	HYDROFLUORIC ACID ^ +	105	141
7782-50-5	CHLORINE	108	135
123-31-9	HYDROQUINONE	102	125
108-05-4	VINYL ACETATE	58	111
67-66-3	CHLOROFORM	41	109
143-33-9	SODIUM CYANIDE (NA(CN)) ^	56	81
151-50-8	POTASSIUM CYANIDE ^	54	75
108-91-8	CYCLOHEXYLAMINE ^	33	72
108-95-2	PHENOL	50	72
7783-06-4	HYDROGEN SULFIDE ^	12	57
79-10-7	ACRYLIC ACID	31	53
7723-14-0	PHOSPHORUS	35	39
10140-87-1	ETHANOL, 1,2-DICHLORO-, ACETATE ^	33	36
4098-71-9	ISOPHORONE DIISOCYANATE ^	29	35
7446-09-5	SULFUR DIOXIDE ^	24	35
	TOTAL:	**2,221**	**5,078**

Table 4. The Top 20 Most Frequently Reported Extremely Hazardous Substances[4] on the 2004 Community Right To Know Survey at an Inventory of 10,000 Pounds or More

CAS #	SUBSTANCE NAME	# of Facilities	# of Records
7664-93-9	SULFURIC ACID	238	320
7647-01-0	HYDROGEN CHLORIDE GAS (ONLY)	55	75
7664-41-7	AMMONIA	43	58
7722-84-1	HYDROGEN PEROXIDE	26	36
7697-37-2	NITRIC ACID	22	35
7782-50-5	CHLORINE	17	22
50-00-0	FORMALDEHYDE	13	21
108-05-4	VINYL ACETATE	17	20
108-91-8	CYCLOHEXYLAMINE ^	3	16
79-10-7	ACRYLIC ACID	12	13
108-95-2	PHENOL	9	12
7723-14-0	PHOSPHORUS	6	9
7664-39-3	HYDROFLUORIC ACID ^ +	5	8
107-15-3	ETHYLENEDIAMINE	6	7
123-31-9	HYDROQUINONE	4	7
75-21-8	ETHYLENE OXIDE	4	7
10140-87-1	ETHANOL, 1,2-DICHLORO-, ACETATE ^	5	6
67-66-3	CHLOROFORM	2	6
58-36-6	PHENOXARSINE, 10,10-OXYDI- ^	5	5
7783-06-4	HYDROGEN SULFIDE ^	2	5
79-06-1	ACRYLAMIDE	4	5
	TOTAL:	**350**	**693**

4 For 2004 there were 358 unique substances and chemical compound categories on the Extremely Hazardous Substance List. The numbers reported can represent multiple substance records for a single facility.



County	Number of Facilities	Number of Substances
Atlantic	129	235
Bergen	430	748
Burlington	208	454
Camden	195	358
Cape May	63	103
Cumberland	93	166
Essex	291	676
Gloucester	140	480
Hudson	204	557
Hunterdon	85	170
Mercer	155	261
Milddlesex	431	1,217
Monmouth	262	409
Morris	269	474
Ocean	196	304
Passaic	226	422
Salem	48	249
Somerset	163	390
Sussex	91	136
Union	259	739
Warren	79	218
Sum	4,017	8,766

Figure 2. Number of Facilities that Reported Greater Than 10,000 Pounds of Maximum Daily Inventory for NJ Environmental Hazardous Substances on the 2004 CRTK Survey

IV. Materials Accounting Data Summary for 2004

Any New Jersey facility that is subject to the federal TRI reporting requirements is also subject to the state RPPR requirements. Reporting facilities are required to provide on the RPPR estimated quantities of the chemical throughput data and nonproduct output for each TRI toxic chemical that meets New Jersey's 10,000-pound annual threshold or the lower PBT threshold, as appropriate. One RPPR Section B (see Appendix C) is required for each toxic chemical that was manufactured, processed or otherwise used in excess of the threshold quantity. A release is an on-site discharge of a toxic chemical to the environment. On-site management includes recycling the chemical back into a process, energy recovery through combustion in an approved unit (industrial boiler, furnace, or kiln), or destruction of the substance through a treatment process. An off-site transfer is a shipment of a toxic chemical as, or in, a waste to a facility that is geographically or physically separate from the facility that submits the RPPR. Off-site transfers may occur for recycling, energy recovery, treatment or disposal and include discharges to publicly owned treatment works (POTWs). Nonproduct output (NPO) means all hazardous substances or hazardous wastes that are generated prior to storage, out-of-process recycling, treatment, control or disposal, and that are not intended for use as a product.[2] Therefore, NPO consists of on-site releases (including fugitive releases), on-site waste management, and off-site waste transfers. See Appendix C for a detailed description of the materials accounting data elements and a sample version of the RPPR, Section B.

An employer is not required to monitor or sample the various processes and/or waste streams that its materials accounting report covers to any extent beyond the requirements of federal and state laws, regulations and permits. Instead, quantities reported may be based on best estimates rather than actual measurements. If an employer is required to test a waste stream or a discharge pipe under other federal or state laws, regulations, or permits, the results of those tests are generally used in developing the materials accounting data. Other quantities may be determined by a variety of other methods.

There are four basic methods by which industry can calculate hazardous substance quantities: 1) an estimate based on actual monitoring data or measurements for the substance; 2) an estimate based on mass balance calculations; 3) an estimate based on published emission factors; and 4) an estimate based on other approaches such as engineering calculations or best engineering judgment. Naturally, different reporting methods may introduce some level of variation into the data set. Different methods of calculating releases and transfers may also be employed for any one substance and affect the final estimates. Similar to Form R reporting, these estimated figures might be rounded to two significant integers. However, the NJDEP does not encourage the practice of rounding in the materials accounting process since rounding may introduce further discrepancies than may already exist in the estimation techniques. NJDEP encourages the use of the estimated value to the precision that the estimation technique supports.

New Jersey's CRTK program rules allow facility owners and operators to claim chemical throughput data as trade secret, thereby protecting sensitive and confidential business information. Trade secret data are not entered into the computerized database and are, therefore, not a part of these analyses. Environmental release, on-site management of non-product output,

2 NJ Department of Environmental Protection, Pollution Prevention Program Rules, New Jersey Administrative Code (N.J.A.C.) 7:1K-1.5 Definitions.

and off-site transfer data, however, may not be claimed as confidential. For 2004, five facilities claimed throughput confidentiality for 35 of their reported chemicals. One of these facilities also submitted one RPPR with full materials accounting data, i.e. no trade secret claims on this one. Therefore, the materials accounting data summaries in this report exclude the chemical throughput data from these five facilities and 35 substance reports for which trade secret claims were made. Conversely, all summaries for NPO data elements do include all facilities and substance reports.

A. Throughput, Use, NPO and Release Data Summaries for All Substances

1. Number of Facilities and Reports

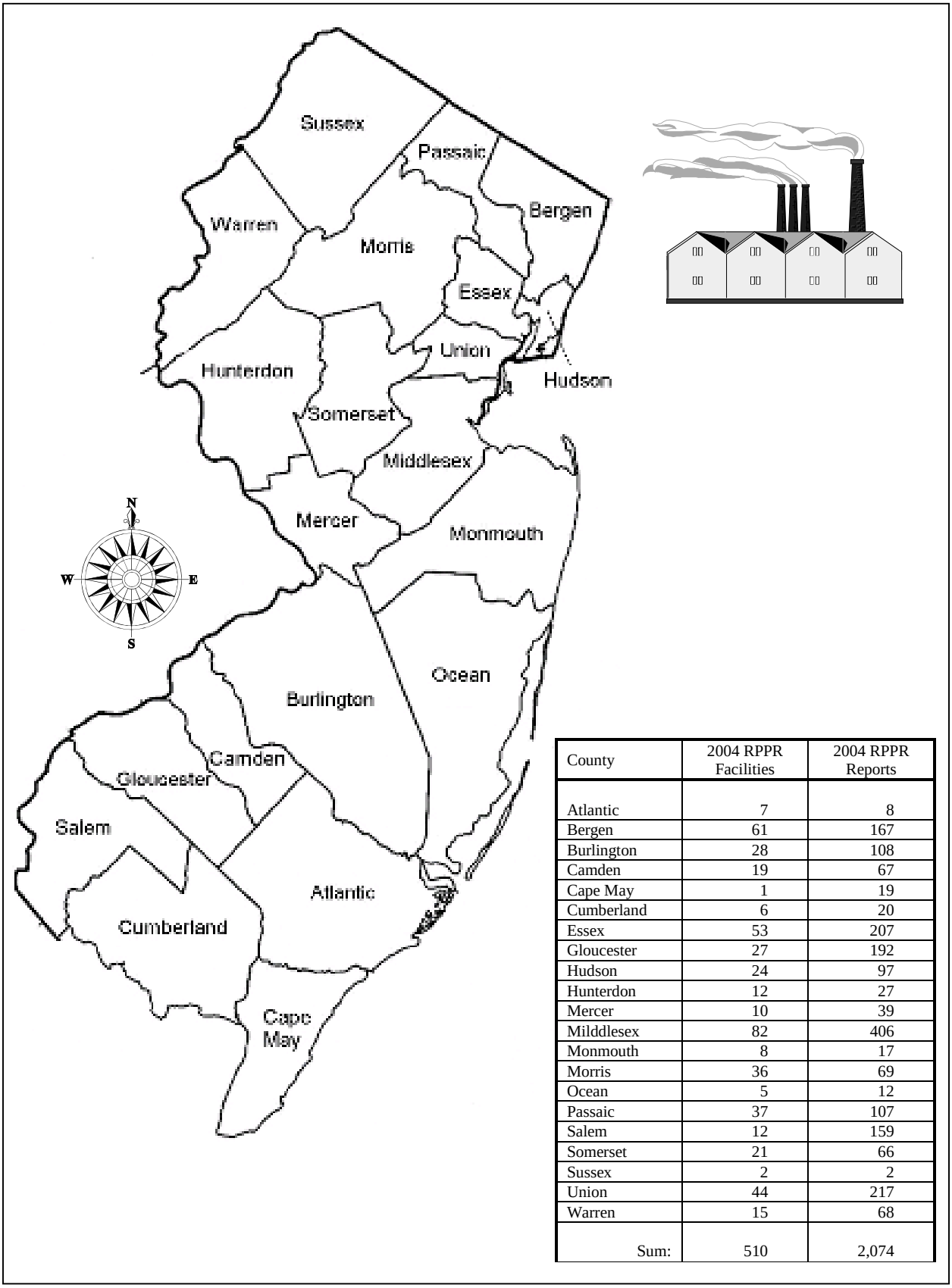
For reporting year 2004, 510 New Jersey facilities reported on 209 of the 609 listed chemicals and compound categories. In total 2,074 RPPR Section B chemical-specific reports were submitted for 2004, including those for Dioxin and Dioxin-like Compounds ("dioxins"). Table 5 summarizes the number of facilities that submitted only one RPPR Section B substance report, the number of facilities that reported 10 or more substances, and the highest number of substances reported by any one facility. Figure 3 presents the number of facilities and substance reports for each county in the state including the 15 facilities that reported dioxins.

Of these numbers, 313 facilities submitted 676 RPPR reports for carcinogens and 188 facilities submitted 295 RPPR reports for persistent, bioaccumulative, toxic (PBT) substances. Fifteen facilities reported on dioxins for 2004. Since dioxins are reported in grams per year, a separate section is allocated to the information reported on this category of persistent, bioaccumulative, toxic substance.

Table 5. Summary on Facilities submitting NJ RPPR Substance Reports - 2004

	# of Facilities/Reports
Number of Substance Reports[3]	2,074
Number of Facilities submitting only One Report	185
Number of Facilities with Ten or more Substance Reports	51
Highest number of Reports by one Facility	93

3 The Number of Substance Reports accounts for all RPPR Section B submissions including those for Dioxin and Dioxin-like Compounds.



County	2004 RPPR Facilities	2004 RPPR Reports
Atlantic	7	8
Bergen	61	167
Burlington	28	108
Camden	19	67
Cape May	1	19
Cumberland	6	20
Essex	53	207
Gloucester	27	192
Hudson	24	97
Hunterdon	12	27
Mercer	10	39
Milddlesex	82	406
Monmouth	8	17
Morris	36	69
Ocean	5	12
Passaic	37	107
Salem	12	159
Somerset	21	66
Sussex	2	2
Union	44	217
Warren	15	68
Sum:	510	2,074

Figure 3. Number of Facilities and Chemical Reports Submitted per County – 2004 RPPR

2. Throughput Data Summary for All Hazardous Substances

Hazardous substance use exceeded 26.5 billion pounds in 2004 as reported on the RPPR. Use is calculated by summing the quantity consumed in processes plus the quantity shipped as (or in) product plus all NPO. The reported quantity of use presented in this report will vary depending on whether the trade secret claims submissions are included or excluded from an analysis. The total quantity of use reported was 26,565,672,823 pounds. The quantity of use excluding trade secret claims substances was 26,551,830,169 pounds. More than 11.5 billion pounds of the reported chemicals were manufactured and nearly 15 billion pounds were brought on site in 2004. These same facilities reported that about 4.4 billion pounds of chemicals were consumed and converted in processes while almost 22 billion pounds were shipped off site as (or in) product. Nonproduct output exceeded 277 million pounds in 2004. Table 6 presents a concise summary of the materials accounting data for 2004 minus the 15 reports for dioxins. Except for the number of facilities and the number of substance reports, all quantities are in pounds per year.

Table 6. Materials Accounting Data (in pounds)

	2004
Number of Facilities	510
Number of Substance Reports	2,059
Starting Inventory (SI)	1,057,412,699
Starting Inventory as NPO	3,781,487
Manufactured	11,517,890,353
Brought on Site	14,878,821,352
Brought on Site as Recycled	84,306,267
Consumed	4,408,204,691
Shipped	21,879,783,256
Ending Inventory (EI)	969,563,656
Ending Inventory as NPO	5,602,231
Nonproduct Output (NPO)	277,634,431
On-Site Releases	17,162,509
Stack Air Emissions	10,113,335
Fugitive Air Emissions	1,770,974
Surface Water Discharge	5,166,838
Ground Water Discharge	6
Land Disposal on-site	111,357
On-Site Management	174,962,676
Recycled & Reused on-site	62,773,651
Energy Recovered on-site	1,545,204
Destroyed on-site	110,643,821
EI (as NPO) -- SI (as NPO)	1,863,471
Off-Site Transfers	83,645,775
POTW Discharge	21,278,716
Waste Transfer - Recycling	40,560,801
Waste Transfer - Energy Recovery	15,311,276
Waste Transfer - Treatment	3,280,000
Waste Transfer - Disposal	3,214,867
Total Substance USE or Throughput	26,565,672,823

In Table 6 there is a data element listed as "EI (as NPO) - SI (as NPO)." This is the difference between the Ending Inventory (as Nonproduct Output) and the Starting Inventory (as Nonproduct Output). A facility may have a substance in inventory as a waste at the start of or the end of the reporting year. The SI (as NPO) was created during and leftover from the previous reporting year(s) and, therefore, is subtracted from the amounts of NPO created in the current reporting year. For any one facility and substance, this value may be positive or negative, depending on the specific amounts involved.

Figure 4 presents the overall picture for hazardous substance throughput in the state for 2004. The majority of hazardous substances used (82%) were shipped in the products manufactured by covered facilities. Approximately 17% of the hazardous substances were consumed in on-site production processes. One percent (277.3 million pounds) of the hazardous substances used was generated as NPO.

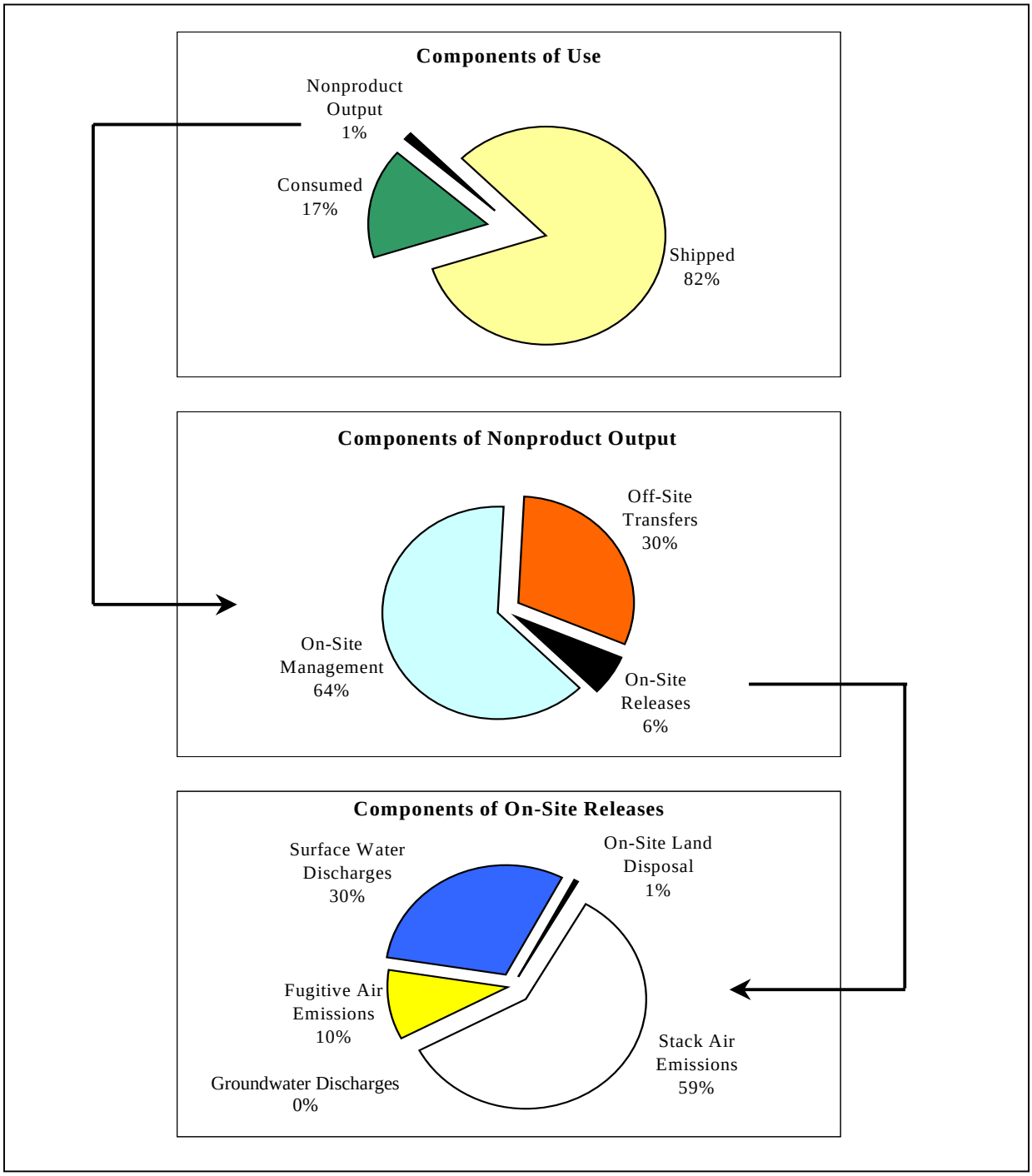


Figure 4. Statewide Percentages of Hazardous Substance Throughput – 2004 RPPR

As shown in Figure 4, NJ facilities used on-site treatment methods to manage most (64%) of their NPO. Off-site methods were used to manage 30% of the NPO. Approximately 6% of the generated NPO was directly released to the environment. Stack air emissions accounted for the majority (59%) of the on-site releases. Surface water discharges accounted for 30% of releases statewide. About 10% of the on-site releases were fugitive air emissions while on-site land disposal amounted to about 1% of the total. In the big picture, groundwater discharges were insignificant at six pounds (0%).

Table 7 presents the 2004 throughput data summary, alphabetically by substance name. Table 8 presents the throughput data summary, alphabetically by county. Facilities in Gloucester County reported the largest amount of use at nearly 9.9 billion pounds while facilities in Sussex County reported the least amount of substance use at 115,958 pounds. Table 9 presents the throughput data summary, numerically by SIC Code. For RY 2004, the Chemicals and Allied Products industry (SIC 28) accounted for 29.6% of the facilities and 36.1% of the RPPR substance reports. Facilities in SIC Code 29 – Petroleum Refining reported the largest amount of use at more than 15.8 billion pounds (59.5%) while facilities in SIC Code 25 – Furniture and Fixtures manufacturing reported the least amount at 17,866 pounds. As a reminder, the data for the 35 substances that were claimed as trade secret are not included in these summaries. The quantities for recycled and re-used on site, NPO, and total use reported in Table 6 are greater than reported in Tables 7 through 10 because Tables 7 through 10 exclude the throughput data for substances reported as trade secret.

Tables 10 through 14 are essentially composed of two sub-tables each addressing various components of materials accounting throughput data. The top 20 hazardous substances used in 2004 and the top 20 facilities for hazardous substances used are presented in Table 10. It is quickly evident that the top 20 substances and facilities account for the vast majority (over 92%) of substance use in each case. A review of the facilities list shows that petroleum refining and marketing operations dominate substance use. Table 9 confirms this fact where 23.3 billion pounds of the total 26.5 billion pounds are reported by SICs 29 and 51. (SIC 51 includes 5169 – Chemical wholesale trades, and 5171 – Petroleum Terminals and Bulk Stations. The facilities in SIC 5171 account for more than 99% of the use quantity reported under SIC 51.)

Table 11 presents the top 20 hazardous substances manufactured in 2004 and the top 20 facilities for hazardous substances manufactured. Again, a similar situation to hazardous substances used is identified here with petroleum refineries at the top of the list. Also chemical manufacturers and energy generating facilities appear in this group. These substances and facilities account for over 99% of the manufactured totals.

Table 12 presents the top 20 hazardous substances brought on site in 2004 and the top 20 facilities for hazardous substances brought on site. The trend continues with petroleum refineries and petroleum marketing operations at the top of the list. A variety of chemical manufacturers also appear in this group.

Table 13 presents the top 20 hazardous substances consumed in processes in 2004 and the top 20 facilities for hazardous substances consumed. The top 20 account for 91% or more in hazardous substances consumed. Table 14 presents the top 20 hazardous substances shipped as (or in) product in 2004 and the top 20 facilities for hazardous substances shipped as (or in) product. The top 20 account for 96% or more of hazardous substances shipped in product.

Table 7. 2004 RPPR Throughput Data Reported by New Jersey Facilities
(ordered alphabetically by substance name; throughput reported in pounds per year)

		INPUTS				OUTPUTS				
CAS #	SUBSTANCE NAME	Starting Inventory	Manufactured	Brought on Site	Recycled & Reused on-site	Consumed	Shipped as (or in) Product	Ending Inventory	NPO	USE
71-55-6	1,1,1-TRICHLOROETHANE	884,183	0	59,339,350	0	59,392,876	0	822,062	8,943	59,401,819
1717-00-6	1,1-DICHLORO-1-FLUOROETHANE (HCFC-141B)	36,622	404,979	26,980	0	0	0	27,785	456,810	456,810
95-63-6	1,2,4-TRIMETHYLBENZENE	62,383,448	633,198,509	768,524,904	11,066	98,490	1,408,887,660	53,976,071	914,352	1,409,900,502
106-88-7	1,2-BUTYLENE OXIDE	0	0	24,234	0	0	24,202	0	32	24,234
95-50-1	1,2-DICHLOROBENZENE	48,400	0	22,915	0	0	0	49,780	21,535	21,535
107-06-2	1,2-DICHLOROETHANE	10,425	0	20,793	0	0	17,747	6,497	6,964	24,711
78-87-5	1,2-DICHLOROPROPANE	42,195	0	393,320	0	262,322	0	43,491	129,702	392,024
95-54-5	1,2-PHENYLENEDIAMINE	205,000	3,361,724	800,000	0	71,902	3,929,506	279,983	85,334	4,086,742
106-99-0	1,3-BUTADIENE	1,364	8,605,767	0	0	8,254,191	346,940	1,521	4,489	8,605,620
4080-31-3	1-(3-CHLOROALLYL)-3,5,7-TRIAZA-1-AZONIAA	30,649	0	464,625	0	0	495,462	1,817	198	495,660
507-55-1	1,3-DICHLORO-1,1,2,23-PENTAFLUOROPROPANE	45,940	274,636	146,820	0	0	356,870	42,772	67,756	424,626
108-45-2	1,3-PHENYLENEDIAMINE	813,000	29,608,715	17,475	0	562,147	28,607,046	596,233	673,764	29,842,957
106-46-7	1,4-DICHLOROBENZENE	25,000	0	1,546,800	0	0	1,555,000	16,746	54	1,555,054
35691-65-7	1-BROMO-1-(BROMOMETHYL)-1,3-PROPANEDICAR	0	0	19,184	0	0	19,025	98	18	19,043
75-68-3	1-CHLORO-1,1-DIFLUOROETHANE [HCFC-142B]	1,267,970	42,359,654	0	0	26,113,471	16,642,760	760,704	112,070	42,868,301
306-83-2	2,2-DICHLORO-1,1,1-TRIFLUOROETHANE	5,982	0	19,620	0	308	0	11,881	12,996	13,304
95-95-4	2,4,5-TRICHLOROPHENOL	0	0	9,997	0	0	0	0	9,997	9,997
88-06-2	2,4,6-TRICHLOROPHENOL	0	0	3,640	0	0	0	0	3,640	3,640
51-28-5	2,4-DINITROPHENOL	0	1,089,770	5,608	0	1,089,770	0	0	5,608	1,095,378
110-80-5	2-ETHOXYETHANOL	0	0	16,192	0	0	15,799	363	29	15,828
90-43-7	2-PHENYLPHENOL	5,000	0	189,046	0	0	188,993	5,000	13	189,006
422-56-0	3,3-DICHLORO-1,1,1,22-PENTAFLUOROPROPANE	45,940	274,636	146,820	0	0	356,870	42,772	67,756	424,626
612-83-9	3,3-DICHLOROBENZIDINE DIHYDROCHLORIDE	14,932	0	35,033	0	49,965	0	0	0	49,965
55406-53-6	3-IODO-2-PROPYNYL BUTYLCARBAMATE	11,406	4,081,897	0	13,387	0	3,943,915	44,621	104,516	4,048,431
80-05-7	4,4-ISOPROPYLIDENEDIPHENOL	72,763	0	1,009,663	0	227,660	727,634	78,778	47,979	1,003,273
101-14-4	4,4-METHYLENEBIS(2-CHLOROANILINE)	21,516	0	165,257	0	181,535	0	5,237	1	181,536
100-02-7	4-NITROPHENOL	0	823,424	724	0	823,424	0	0	724	824,148
99-55-8	5-NITRO-O-TOLUIDINE	3,670	0	30,836	0	30,971	1	3,530	0	30,972
75-07-0	ACETALDEHYDE	1,339	16,954	58,340	0	0	42,721	2,032	31,580	74,301
75-05-8	ACETONITRILE	218,542	0	4,578,728	0	0	4,106,703	333,930	475,374	4,582,077
98-86-2	ACETOPHENONE	9,259	0	694,982	0	669,205	0	35,000	36	669,241
79-06-1	ACRYLAMIDE	51,604	0	714,725	0	672,038	2,331	51,580	40,387	714,756
79-10-7	ACRYLIC ACID	204,825	0	4,646,340	0	4,650,958	35,905	130,980	29,680	4,716,543
107-13-1	ACRYLONITRILE	143,060	0	2,839,417	0	2,831,537	165	140,538	10,256	2,841,958
107-18-6	ALLYL ALCOHOL	0	0	66,349	0	0	0	0	66,349	66,349

Table 7. 2004 RPPR Throughput Data Reported by New Jersey Facilities (continued)
(ordered alphabetically by substance name; throughput reported in pounds per year)

		INPUTS				OUTPUTS				
CAS #	SUBSTANCE NAME	Starting Inventory	Manufactured	Brought on Site	Recycled & Reused on-site	Consumed	Shipped as (or in) Product	Ending Inventory	NPO	USE
7429-90-5	ALUMINUM (FUME OR DUST)	415,779	93,475	8,354,810	46,720	4,635,097	3,386,899	723,672	167,401	8,189,397
1344-28-1	ALUMINUM OXIDE (FIBROUS FORMS)	12,424	0	22,131	0	0	24,390	10,120	171	24,561
7664-41-7	AMMONIA	1,159,496	17,902,534	30,515,965	0	37,932,829	2,051,872	2,063,017	6,337,259	46,321,960
62-53-3	ANILINE (AND SALTS)	10,987	169,222	180,523	0	170,674	283	21,499	170,195	341,152
7440-36-0	ANTIMONY	109,093	0	484,093	62	0	491,860	49,722	51,396	543,256
N010	ANTIMONY COMPOUNDS	260,016	32,714	4,591,728	10,981	0	4,376,720	343,639	156,344	4,533,064
N020	ARSENIC COMPOUNDS	131,997	11,325	82,768	29	0	114,684	102,131	13,321	128,005
1912-24-9	ATRAZINE	0	0	20,434	0	0	0	0	20,434	20,434
7440-39-3	BARIUM	0	0	66,990	0	0	27,734	0	39,443	67,177
N040	BARIUM COMPOUNDS [EXCEPT BARIUM SULFATE]	1,234,553	152,856	1,982,278	80	0	1,919,580	1,193,298	428,349	2,347,929
98-87-3	BENZAL CHLORIDE	134,038	4,831,206	0	0	4,478,265	53,211	103,765	301,367	4,832,843
71-43-2	BENZENE	54,946,325	484,812,783	634,684,377	2,196	315,043,108	806,841,153	48,116,513	393,790	1,122,278,051
191-24-2	BENZO(G,H,I)PERYLENE	262,781	304	3,966,982	0	3,112,699	800,392	334,170	274	3,913,365
98-07-7	BENZOIC TRICHLORIDE	1,079	26,439	0	0	5,358	0	714	21,081	26,439
94-36-0	BENZOYL PEROXIDE	21,962	0	322,600	0	325,534	0	10,040	179	325,713
100-44-7	BENZYL CHLORIDE	961,104	67,281,234	179,781	0	42,046,707	25,133,444	314,531	932,895	68,113,046
56-35-9	BIS(TRIBUTYLTIN) OXIDE	5,820	0	58,200	0	0	64,020	0	0	64,020
141-32-2	BUTYL ACRYLATE	892,434	0	30,412,963	0	28,940,229	1,604,455	726,651	13,073	30,557,757
7440-43-9	CADMIUM	6,874	0	11,787	0	0	11,314	6,914	473	11,787
N078	CADMIUM COMPOUNDS	32,956	0	114,436	0	0	89,459	26,746	31,965	121,424
56-23-5	CARBON TETRACHLORIDE	0	6,200	184	0	0	0	0	6,384	6,384
120-80-9	CATECHOL	8,360	0	45,073	0	0	37,337	4,023	13,320	50,657
57-74-9	CHLORDANE	0	0	58	0	0	0	0	58	58
7782-50-5	CHLORINE	3,802,666	0	188,843,450	0	158,288,776	26,885,861	7,144,341	328,842	185,503,479
10049-04-4	CHLORINE DIOXIDE	0	202,205	0	0	202,076	0	0	130	202,206
79-11-8	CHLOROACETIC ACID	17,972	0	46,200	0	47,317	0	16,660	22	47,339
108-90-7	CHLOROBENZENE	4,511	0	32,813	0	0	14,381	7,016	16,527	30,908
75-45-6	CHLORODIFLUOROMETHANE [HCFC-22]	888,368	0	16,078,303	1,519	15,010,287	59,467	1,643,425	257,009	15,326,763
75-00-3	CHLOROETHANE	35,239	303,575	292,840	0	295,766	0	32,199	303,675	599,441
67-66-3	CHLOROFORM	911,340	23,315	698,579	0	180,863	524,611	886,298	46,178	751,652
74-87-3	CHLOROMETHANE	0	55,084	15,782	0	0	0	0	70,866	70,866
N084	CHLOROPHENOLS	11,728	0	102,118	0	0	106,055	7,710	81	106,136
1897-45-6	CHLOROTHALONIL	0	0	6,720	0	0	6,517	0	16	6,533
7440-47-3	CHROMIUM	1,559,442	0	11,398,026	175,740	0	10,122,750	1,995,267	977,694	11,100,444
N090	CHROMIUM COMPOUNDS	1,632,769	71,851	13,500,488	474,991	0	13,186,624	1,792,626	705,723	13,892,347

Table 7. 2004 RPPR Throughput Data Reported by New Jersey Facilities (continued)
(ordered alphabetically by substance name; throughput reported in pounds per year)

		INPUTS				OUTPUTS				
CAS #	SUBSTANCE NAME	Starting Inventory	Manufactured	Brought on Site	Recycled & Reused on-site	Consumed	Shipped as (or in) Product	Ending Inventory	NPO	USE
989-38-8	C.I. BASIC RED 1	946	0	15,657	0	16,069	0	496	12	16,081
81-88-9	C.I. FOOD RED 15	7,790	0	16,514	0	21,590	8	2,700	0	21,598
7440-48-4	COBALT	556,530	0	3,150,776	203,556	0	2,326,902	578,645	988,590	3,315,492
N096	COBALT COMPOUNDS	92,426	0	269,351	86	0	259,920	91,396	11,850	271,770
7440-50-8	COPPER	15,691,535	0	182,971,603	13,980,134	0	178,295,010	17,494,260	19,029,759	197,324,769
N100	COPPER COMPOUNDS [WITH EXCEPTIONS]	1,532,134	8,658,522	16,395,296	0	0	25,494,710	784,891	343,410	25,838,120
8001-58-9	CREOSOTE	604,995	0	3,997,912	0	0	4,326,913	275,994	24,534	4,351,447
1319-77-3	CRESOL (MIXED ISOMERS)	16,595	0	166,147	0	0	40,875	8,882	133,016	173,891
98-82-8	CUMENE	20,274,160	528,897,882	90,037,240	0	31,402	607,985,444	27,534,305	36,485	608,053,331
21725-46-2	CYANAZINE	0	0	11,750	0	0	0	0	11,750	11,750
N106	CYANIDE COMPOUNDS	433	13,961	34,469	0	21,476	0	5,685	21,674	43,150
110-82-7	CYCLOHEXANE	29,271,001	443,818,046	490,802,682	3,262	327,333,786	608,375,488	28,989,672	188,393	935,897,667
68359-37-5	CYFLUTHRIN	1,093	0	31,996	0	0	24,550	8,435	44	24,594
533-74-4	DAZOMET	37,588	0	393,433	0	0	378,427	46,879	165	378,592
1163-19-5	DECABROMODIPHENYL OXIDE	98,382	0	2,601,134	7,808	0	2,444,173	150,382	97,585	2,541,758
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]	963,677	0	30,976,134	14,500	0	31,166,369	764,929	34,002	31,200,371
84-74-2	DIBUTYL PHTHALATE	113,094	0	2,532,870	0	0	2,494,345	124,702	25,362	2,519,707
25321-22-6	DICHLOROBENZENE (MIXED ISOMERS)	0	0	10,825	0	0	0	0	10,825	10,825
75-71-8	DICHLORODIFLUOROMETHANE [CFC-12]	1,315,760	0	1,052,130	0	0	1,209,386	1,078,240	80,264	1,289,650
75-43-4	DICHLOROFLUOROMETHANE [HCFC-21]	24,191	8,246	265,076	0	260,691	0	24,191	12,632	273,323
75-09-2	DICHLOROMETHANE	539,774	0	7,618,918	0	100,264	6,167,806	696,549	1,060,192	7,328,262
76-14-2	DICHLOROTETRAFLUOROETHANE [CFC-114]	146,135	0	3,418,049	0	2,618,690	0	945,494	0	2,618,690
77-73-6	DICYCLOPENTADIENE	21,113	0	133,641	0	148,405	0	6,166	183	148,588
111-42-2	DIETHANOLAMINE	287,478	0	5,846,976	0	3,616,544	2,118,883	391,607	37,901	5,773,328
64-67-5	DIETHYL SULFATE	32,960	0	0	0	12,935	0	19,948	0	12,935
35367-38-5	DIFLUBENZURON	12,497	0	22,008	0	0	33,670	863	21	33,691
101-90-6	DIGLYCIDYL RESORCINOL ETHER	7,365	66,041	38,860	0	51,451	56,903	1,515	2,459	110,813
N120	DIISOCYANATES	1,179,668	93,088	13,919,985	0	13,406,128	1,093,343	659,264	44,851	14,544,322
124-40-3	DIMETHYLAMINE	820	35,551	79,484	0	64,349	0	8,049	43,467	107,816
131-11-3	DIMETHYL PHTHALATE	2,109	0	94,656	0	0	73,818	3,812	20,719	94,537
77-78-1	DIMETHYL SULFATE	16,749	0	28,045	0	20,734	0	24,056	4	20,738
106-89-8	EPICHLOROHYDRIN	100,460	0	2,394,520	0	2,336,547	2,968	102,807	51,721	2,391,236
140-88-5	ETHYL ACRYLATE	1,030,547	0	29,738,857	0	29,598,742	121,088	1,017,468	33,062	29,752,892
100-41-4	ETHYLBENZENE	48,607,108	884,825,043	516,298,006	16,210	3,187,088	1,398,584,296	53,564,571	967,106	1,402,738,490
74-85-1	ETHYLENE	790,308	357,333,315	15,033,633	404,758	213,475,886	158,432,877	816,897	3,536,135	375,444,898

Table 7. 2004 RPPR Throughput Data Reported by New Jersey Facilities (continued)
(ordered alphabetically by substance name; throughput reported in pounds per year)

		INPUTS				OUTPUTS				
CAS #	SUBSTANCE NAME	Starting Inventory	Manufactured	Brought on Site	Recycled & Reused on-site	Consumed	Shipped as (or in) Product	Ending Inventory	NPO	USE
107-21-1	ETHYLENE GLYCOL	19,191,968	1,949,089	171,872,605	20,266	9,852,705	160,118,174	19,629,811	3,322,593	173,293,472
75-21-8	ETHYLENE OXIDE	1,382,009	0	72,845,453	0	72,708,099	0	1,439,173	150,301	72,858,400
50-00-0	FORMALDEHYDE	191,645	0	7,961,522	0	7,590,322	324,111	132,473	109,353	8,023,786
64-18-6	FORMIC ACID	63,185	0	684,470	0	491,663	108,709	72,661	84,262	684,634
N230	GLYCOL ETHERS (EXCEPT SURFACTANTS)	2,295,857	189,471	31,672,394	5,033	1,531,960	28,320,662	2,106,966	2,175,016	32,027,638
76-44-8	HEPTACHLOR	0	0	18	0	0	0	0	18	18
118-74-1	HEXACHLOROBENZENE	3,690	7,022	522	0	0	6,667	1,186	2,610	9,277
67-72-1	HEXACHLOROETHANE	35,200	0	0	0	0	25,960	9,240	0	25,960
302-01-2	HYDRAZINE	26,932	0	351,684	0	349,168	0	21,746	6,804	355,972
7647-01-0	HYDROCHLORIC ACID	1,001,822	119,336,706	3,680,033	0	6,299,118	58,816,072	976,607	57,649,770	122,764,960
74-90-8	HYDROGEN CYANIDE [HYDROCYANIC ACID]	200	95,289	0	0	29,000	0	200	66,579	95,579
7664-39-3	HYDROGEN FLUORIDE	1,417,900	1,126,126	21,814,379	0	19,830,722	135,034	920,089	3,462,621	23,428,377
123-31-9	HYDROQUINONE	45,753	0	475,233	0	0	480,587	16,598	21,323	501,910
78-84-2	ISOBUTYRALDEHYDE	3,861	17,456	62,461	9,553	59,698	0	5,996	26,412	86,110
7439-92-1	LEAD	660,492	41,066	6,357,677	59,090	0	4,269,760	917,087	1,794,187	6,063,947
N420	LEAD COMPOUNDS	1,024,277	148,259	92,886,223	1,666,079	0	79,570,657	1,486,260	14,975,625	94,546,283
554-13-2	LITHIUM CARBONATE	161,539	0	256,559	420	0	252,122	166,186	2,843	254,965
108-31-6	MALEIC ANHYDRIDE	346,314	0	2,732,208	9,910	2,858,813	543	196,449	15,658	2,875,014
12427-38-2	MANEB	0	0	145,600	0	0	141,396	3,010	200	141,596
7439-96-5	MANGANESE	25,428,431	0	25,093,271	252,438	0	24,298,750	25,815,784	564,968	24,863,718
N450	MANGANESE COMPOUNDS	4,971,784	845,165	43,125,142	4,748,084	0	41,544,379	5,878,841	6,424,192	47,968,571
99-65-0	M-DINITROBENZENE	91,343	44,129,214	0	0	43,354,181	19	38,192	828,169	44,182,369
7439-97-6	MERCURY	1,426	140	7,990	0	0	4,924	2,008	3,180	8,104
N458	MERCURY COMPOUNDS	4,275	305	2,289	0	0	3,027	2,911	1,017	4,044
67-56-1	METHANOL	16,784,454	3,960,384	77,799,282	283,428	44,178,890	19,738,547	15,145,253	19,617,265	83,534,702
96-33-3	METHYL ACRYLATE	347,517	0	3,671,588	0	1,983,147	1,792,178	192,272	2,367	3,777,692
108-10-1	METHYL ISOBUTYL KETONE	600,556	0	5,047,014	16,565	28,719	2,239,473	523,875	2,869,586	5,137,778
80-62-6	METHYL METHACRYLATE	526,351	0	11,787,682	0	9,904,217	1,632,855	741,491	14,716	11,551,788
1634-04-4	METHYL TERT-BUTYL ETHER	204,521,127	219,675,372	3,312,647,177	15,692	23,262,362	3,566,772,204	143,346,701	997,073	3,591,031,639
1313-27-5	MOLYBDENUM TRIOXIDE	394,124	15,116	665,967	4,096	16,802	706,682	313,793	44,216	767,700
76-15-3	MONOCHLOROPENTAFLUOROETHANE [CFC-115]	47,019	2,366,366	0	0	2,098,321	0	40,781	274,283	2,372,604
91-20-3	NAPHTHALENE	31,947,940	294,010,165	350,974,443	1,152	10,840,528	648,520,800	24,403,020	572,960	659,934,288
71-36-3	N-BUTYL ALCOHOL	1,556,839	123,462	30,806,775	1,342	26,623,673	2,745,214	1,905,600	1,215,116	30,584,003
110-54-3	N-HEXANE	78,460,959	427,430,421	1,290,034,489	14,424	125,627,141	1,593,585,578	69,329,668	540,684	1,719,753,403
7440-02-0	NICKEL	2,325,759	0	11,614,638	1,648,649	0	10,574,372	2,620,493	2,445,732	13,020,104

Table 7. 2004 RPPR Throughput Data Reported by New Jersey Facilities (continued)
(ordered alphabetically by substance name; throughput reported in pounds per year)

		INPUTS				OUTPUTS				
CAS #	SUBSTANCE NAME	Starting Inventory	Manufactured	Brought on Site	Recycled & Reused on-site	Consumed	Shipped as (or in) Product	Ending Inventory	NPO	USE
N495	NICKEL COMPOUNDS	382,196	16,415	1,540,441	23,760	0	1,509,357	344,711	127,098	1,636,455
1929-82-4	NITRAPYRIN	0	0	17,475	0	0	0	0	17,475	17,475
N511	NITRATE COMPOUNDS (WATER DISSOCIABLE)	629,482	16,570,168	6,880,616	0	442,865	6,117,760	766,320	16,684,790	23,245,415
7697-37-2	NITRIC ACID	4,959,068	0	58,499,253	0	48,047,395	6,450,462	2,814,210	6,132,631	60,630,488
98-95-3	NITROBENZENE	2,790	37,645,801	29,079	0	37,618,891	22	235	58,482	37,677,395
872-50-4	N-METHYL-2-PYRROLIDONE	242,269	0	4,416,452	39,362	51,181	3,796,376	366,696	547,167	4,394,724
924-42-5	N-METHYLOLACRYLAMIDE	67,759	0	1,168,431	0	1,143,147	252	94,503	459	1,143,858
68-12-2	N,N-DIMETHYLFORMAMIDE	60,587	0	1,072,630	0	308,798	328,546	146,346	354,097	991,441
528-29-0	O-DINITROBENZENE	11,683	5,644,435	0	0	5,545,302	2	4,885	105,927	5,651,231
95-47-6	O-XYLENE	273,340	0	382,827	0	117,868	108,512	343,783	69,361	295,741
10028-15-6	OZONE	0	55,000	0	0	54,940	0	0	60	55,000
106-44-5	P-CRESOL	35,550	0	81,854	0	82,296	0	35,100	8	82,304
100-25-4	P-DINITROBENZENE	3,186	1,539,391	0	0	1,512,354	0	1,333	28,891	1,541,245
608-93-5	PENTACHLOROBENZENE	0	60	0	0	0	0	0	60	60
57-33-0	PENTOBARBITAL SODIUM	12,795	21,407	0	2,586	0	24,685	3,995	9,349	34,034
79-21-0	PERACETIC ACID	3,601	0	65,000	0	59,549	0	8,700	352	59,901
52645-53-1	PERMETHRIN	0	0	26,063	0	0	26,181	0	35	26,216
108-95-2	PHENOL	232,815	1,261,553	6,113,189	0	5,689,544	221,548	408,994	1,287,116	7,198,208
26002-80-2	PHENOTHRIN	8,149	0	159,174	0	0	138,644	7,942	19,588	158,232
75-44-5	PHOSGENE	10,400	76,643,000	0	0	76,496,550	0	10,400	146,450	76,643,000
7723-14-0	PHOSPHORUS	3,280	0	165,210	0	0	123,945	3,230	41,319	165,264
85-44-9	PHTHALIC ANHYDRIDE	1,290,488	0	68,040,658	9,910	65,588,700	1,700,275	1,982,070	64,397	67,353,372
88-89-1	PICRIC ACID	0	1,381,492	0	0	1,055,495	0	0	325,997	1,381,492
100-01-6	P-NITROANILINE	658	776,291	0	0	776,291	0	658	0	776,291
N583	POLYCHLORINATED ALKANES	105,286	0	338,050	1,056	0	325,843	113,042	4,991	330,834
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	14	25	0	0	0	0	2	25	25
N590	POLYCYCLIC AROMATIC COMPOUNDS	6,508,018	5,587	86,126,483	36	44,794,973	41,127,593	6,894,398	8,954	85,931,520
106-50-3	P-PHENYLENEDIAMINE	542,512	610,371	2,330,389	0	91,800	3,088,757	275,505	27,210	3,207,767
107-19-7	PROPARGYL ALCOHOL	58,060	0	1,012,649	0	1,024,404	0	45,483	822	1,025,226
123-38-6	PROPIONALDEHYDE	719	0	57,496	0	11,853	0	46,357	5	11,858
75-55-8	PROPYLENEIMINE	1,033	79,586	0	0	78,671	0	1,031	917	79,588
75-56-9	PROPYLENE OXIDE	1,318,907	0	29,399,058	0	29,344,948	61,615	1,298,706	48,132	29,454,695
115-07-1	PROPYLENE [PROPENE]	10,598,341	1,669,332,183	73,028,263	0	1,414,511,744	336,685,138	3,850,997	3,766,354	1,754,963,236
110-86-1	PYRIDINE	7,020	0	78,021	0	0	26,112	3,056	56,265	82,377
106-51-4	QUINONE	434	0	18,920	0	0	11,187	8,113	53	11,240

Table 7. 2004 RPPR Throughput Data Reported by New Jersey Facilities (continued)
(ordered alphabetically by substance name; throughput reported in pounds per year)

		INPUTS				OUTPUTS				
CAS #	SUBSTANCE NAME	Starting Inventory	Manufactured	Brought on Site	Recycled & Reused on-site	Consumed	Shipped as (or in) Product	Ending Inventory	NPO	USE
78-92-2	SEC-BUTYL ALCOHOL	86,166	0	1,094,387	916	0	1,099,138	64,677	18,671	1,117,809
7782-49-2	SELENIUM	0	2,799	0	0	0	0	0	2,799	2,799
N725	SELENIUM COMPOUNDS	16,510	0	7,947	0	0	11,898	11,607	951	12,849
7440-22-4	SILVER	165,883	0	1,093,126	0	0	1,018,983	225,245	45,404	1,064,387
N740	SILVER COMPOUNDS	725,923	0	2,418,429	55,492	0	2,198,197	694,822	373,396	2,571,593
128-04-1	SODIUM DIMETHYLDITHIOCARBAMATE	0	0	18,936	0	0	18,966	18	4	18,970
7632-00-0	SODIUM NITRITE	5,336,170	54,121,018	643,449	0	296,819	54,402,915	5,250,322	200,873	54,900,607
132-27-4	SODIUM O-PHENYLPHENOXIDE	828	0	12,454	0	0	12,943	889	11	12,954
100-42-5	STYRENE	3,852,696	0	235,864,697	0	221,480,886	14,856,137	2,835,858	291,463	236,628,486
7664-93-9	SULFURIC ACID	956,594	3,643,717	17,522,295	0	4,221,882	12,872,111	1,320,301	3,650,960	20,744,953
75-65-0	TERT-BUTYL ALCOHOL	5,086,454	323,012	162,858,268	0	524,446	161,638,113	4,411,779	1,443,296	163,605,855
79-94-7	TETRABROMOBISPHENOL A	28	0	605	0	0	348	285	0	348
127-18-4	TETRACHLOROETHYLENE [PERCHLOROETHYLENE]	26,603	0	118,638	0	74,495	42,162	26,640	1,205	117,862
961-11-5	TETRACHLORVINPHOS	2,539	0	112,035	2,388	0	117,786	6,762	3,980	121,766
N760	THALLIUM COMPOUNDS	11,765	0	11,666	0	0	10,783	12,354	293	11,076
148-79-8	THIABENDAZOLE	7,281	0	58,710	0	0	65,750	127	171	65,921
23564-05-8	THIOPHANATE METHYL	13,724	0	135,374	0	0	130,912	16,090	198	131,110
7550-45-0	TITANIUM TETRACHLORIDE	620,878	0	10,202,486	0	7,496,356	1,547,884	601,772	1,177,352	10,221,592
108-88-3	TOLUENE	163,097,571	2,174,859,222	2,344,909,388	169,097	52,429,977	4,467,890,316	159,688,729	5,130,363	4,525,450,656
584-84-9	TOLUENE-2,4-DIISOCYANATE	4,199	0	83,275	0	77,159	0	10,309	6	77,165
26471-62-5	TOLUENE DIISOCYANATE (MIXED ISOMERS)	745,688	0	10,072,851	0	9,994,086	59,920	785,798	24,369	10,078,375
43121-43-3	TRIADIMEFON	3,181	0	95,567	0	0	91,394	7,867	17	91,411
79-01-6	TRICHLOROETHYLENE	104,048	0	616,276	0	0	403,696	100,937	216,260	619,956
75-69-4	TRICHLOROFLUOROMETHANE [CFC-11]	542,080	0	620,080	0	0	417,819	529,830	214,511	632,330
121-44-8	TRIETHYLAMINE	74,867	0	780,012	0	690,420	50,260	65,313	49,344	790,024
51-79-6	URETHANE	0	0	21,609	0	0	0	0	21,609	21,609
N770	VANADIUM COMPOUNDS	395,308	27,551	564,550	0	0	632,681	285,500	77,342	710,023
7440-62-2	VANADIUM (EXCEPT WHEN IN AN ALLOY)	76,401	0	164,009	0	0	155,716	76,493	8,204	163,920
108-05-4	VINYL ACETATE	1,672,908	0	89,768,007	0	89,637,673	376,969	959,427	206,735	90,221,377
75-01-4	VINYL CHLORIDE	10,962,826	0	561,839,899	0	560,233,496	497	10,995,500	954,920	561,188,913
75-35-4	VINYLIDENE CHLORIDE	38,425	0	423,651	0	417,719	0	43,330	1,027	418,746
1330-20-7	XYLENE (MIXED ISOMERS)	176,661,024	2,828,344,978	2,250,317,584	651,985	3,414,337	5,066,380,385	177,782,050	5,481,077	5,075,275,799
N982	ZINC COMPOUNDS	3,391,737	1,905,004	53,640,093	36,934,802	0	44,666,837	3,007,218	48,175,571	92,842,408
7440-66-6	ZINC (FUME OR DUST)	45,840	3,787,011	515,700	0	225,000	262,972	50,326	3,810,253	4,298,225
	SUM:	**1,057,412,699**	**11,517,890,353**	**14,878,821,352**	**62,014,695**	**4,408,204,691**	**21,879,783,256**	**969,563,656**	**263,842,222**	**26,551,830,169**

Table 8. 2004 RPPR Throughput Data Reported by New Jersey Facilities
(ordered alphabetically by county; throughput reported in pounds per year)

			INPUTS				OUTPUTS				
COUNTY	# of Facilities	# of Reports	Starting Inventory	Manufactured	Brought on Site	Recycled & Reused on-site	Consumed	Shipped as (or in) Product	Ending Inventory	Nonproduct Output	USE
ATLANTIC	7	8	89,039	0	552,004	0	381,796	28,220	73,729	155,424	**565,439**
BERGEN	61	167	4,530,407	958,905	70,006,899	327,715	12,872,085	55,914,100	3,371,301	4,129,298	**72,915,483**
BURLINGTON	28	107	4,672,561	3,438,349	121,600,102	275	107,058,109	12,073,451	5,152,431	5,800,305	**124,931,866**
CAMDEN	19	66	15,037,213	115,226	551,801,312	90,341	12,974,816	550,808,637	1,985,298	1,011,941	**564,795,394**
CAPE MAY	1	18	471,219	2,773,576	546,588	0	1,543,264	373,907	495,817	1,378,436	**3,295,607**
CUMBERLAND	5	13	176,654	145,712	1,511,760	0	680,290	532,551	231,090	391,396	**1,604,236**
ESSEX	53	207	35,440,665	6,901,653	1,046,468,398	9,293,289	34,252,768	1,032,610,213	29,284,415	15,203,240	**1,082,066,221**
GLOUCESTER	27	189	239,835,354	5,597,217,793	4,267,554,349	364,401	1,463,995,098	8,392,464,888	226,817,559	21,985,083	**9,878,445,069**
HUDSON	24	96	6,925,559	15,491,697	138,180,288	1,484,063	74,782,847	66,382,182	5,490,937	15,182,078	**156,347,107**
HUNTERDON	12	27	1,758,650	278	5,889,472	2,612	712,173	4,686,998	1,960,328	316,821	**5,715,991**
MERCER	10	38	1,052,716	5,044,768	7,230,583	4,270	3,595,462	5,407,482	760,378	3,577,206	**12,580,149**
MIDDLESEX	81	392	339,388,395	1,119,553,862	4,105,863,899	43,814,263	666,187,014	4,502,003,802	319,443,978	101,347,649	**5,269,538,465**
MONMOUTH	8	17	15,769,573	48,400	154,145,662	14,500	0	153,705,789	15,387,612	833,005	**154,538,794**
MORRIS	36	69	4,010,891	145,547	30,567,113	1,945,439	3,695,810	24,574,054	4,177,425	4,191,478	**32,461,342**
OCEAN	4	8	68,110	0	671,492	0	227,875	363,257	66,286	84,986	**676,118**
PASSAIC	37	107	2,582,145	928,233	41,686,494	63,367	5,655,075	33,321,504	3,159,918	3,503,885	**42,480,463**
SALEM	12	157	20,718,684	244,299,592	724,649,014	2,997	869,417,470	37,343,582	23,743,770	57,482,705	**964,243,756**
SOMERSET	21	66	3,681,238	4,922	48,276,669	0	24,568,956	24,136,154	2,804,992	616,999	**49,322,110**
SUSSEX	2	2	56,711	0	130,819	0	0	0	69,766	115,958	**115,958**
UNION	43	202	352,618,429	4,519,652,046	3,429,089,236	4,607,164	1,033,774,115	6,946,820,926	315,863,356	22,161,266	**8,002,756,306**
WARREN	15	68	8,528,485	1,169,794	132,399,201	0	91,829,669	36,231,562	9,223,269	4,373,063	**132,434,294**
SUM:	**506**	**2,024**	**1,057,412,699**	**11,517,890,353**	**14,878,821,352**	**62,014,695**	**4,408,204,691**	**21,879,783,256**	**969,563,656**	**263,842,222**	**26,551,830,169**

Table 9. 2004 RPPR Throughput Data Reported by New Jersey Facilities
(ordered numerically by SIC code; throughput reported in pounds per year)

		INPUTS				OUTPUTS				
# of Facilities	# of Reports	Starting Inventory	Manufactured	Brought On Site	Recycled & Re-Used On Site	Consumed	Shipped as (or in) Products	Ending Inventory	NPO	USE
22	**41**	777,001	795,921	1,594,363	267,006	147,048	415,273	702,869	2,056,248	**2,618,569**
6	**11**	86,520	0	1,290,945	0	409	131,816	41,043	1,203,357	**1,335,582**
1	**1**	8,277	0	62,285	0	0	52,084	18,582	105	**52,189**
2	**3**	618,134	0	4,063,077	0	0	4,400,678	280,502	24,957	**4,425,635**
1	**1**	6,977	0	15,436	0	0	3,778	4,547	14,088	**17,866**
16	**33**	647,904	245,386	9,294,184	19,803	1,407,440	5,142,969	849,422	2,831,832	**9,382,240**
10	**15**	227,460	0	1,056,763	51,437	0	29,426	237,082	1,080,045	**1,109,471**
149	**733**	80,924,936	515,162,426	1,842,725,214	1,252,303	1,698,045,759	550,407,947	86,426,439	104,611,980	**2,353,065,686**
18	**155**	529,287,785	10,963,725,182	4,826,474,346	37,385	2,446,351,505	13,342,722,544	525,546,206	16,147,186	**15,805,221,234**
36	**80**	5,287,321	179,723	235,984,824	34,182	199,045,613	35,345,028	4,122,322	2,297,982	**236,688,623**
1	**5**	55,594	30,054	437,319	0	247,478	112,228	16,684	46,294	**406,000**
16	**35**	392,833	25,107	6,366,514	332	271,617	5,652,498	429,350	524,512	**6,448,627**
43	**162**	52,725,150	10,662,253	298,803,650	59,952,531	6,171,661	266,548,310	56,381,560	95,181,744	**367,901,714**
40	**121**	2,060,815	286,527	10,587,617	772	171,347	4,982,819	1,524,500	6,161,696	**11,315,862**
17	**34**	458,600	205,094	3,603,128	275	646,133	2,712,906	447,207	462,058	**3,821,097**
35	**50**	704,301	54,242	92,555,694	0	22,252	79,643,396	1,249,072	12,780,950	**92,446,598**
10	**33**	4,111,087	1,501	10,859,047	337,721	988,104	8,956,884	3,903,505	1,459,148	**11,404,136**
13	**34**	231,515	20,178	4,132,074	24	422,471	2,522,629	194,707	1,246,358	**4,191,458**
8	**14**	92,459	0	409,458	3,811	79,699	232,974	76,352	118,820	**431,493**
26	**141**	7,061,280	21,131,613	50,019,019	0	54,042,202	2,273,906	7,444,131	14,878,149	**71,194,257**
36	**322**	371,646,750	5,365,146	7,478,486,396	57,114	143,953	7,567,493,165	279,667,574	714,712	**7,568,351,830**
506	**2,024**	**1,057,412,699**	**11,517,890,353**	**14,878,821,352**	**62,014,695**	**4,408,204,691**	**21,879,783,256**	**969,563,656**	**263,842,222**	**26,551,830,169**

Table 10. 2004 RPPR - Hazardous Substances Used (pounds per year)

Top 20 Hazardous Substances Used in 2004

CAS Number	SUBSTANCE NAME	USE (pounds)	Percentage
1330-20-7	XYLENE (MIXED ISOMERS)	5,075,275,799	19.11 %
108-88-3	TOLUENE	4,525,450,656	17.04 %
1634-04-4	METHYL TERT-BUTYL ETHER	3,591,031,639	13.52 %
115-07-1	PROPYLENE [PROPENE]	1,754,963,236	6.61 %
110-54-3	N-HEXANE	1,719,753,403	6.48 %
95-63-6	1,2,4-TRIMETHYLBENZENE	1,409,900,502	5.31 %
100-41-4	ETHYLBENZENE	1,402,738,490	5.28 %
71-43-2	BENZENE	1,122,278,051	4.23 %
110-82-7	CYCLOHEXANE	935,897,667	3.52 %
91-20-3	NAPHTHALENE	659,934,288	2.49 %
98-82-8	CUMENE	608,053,331	2.29 %
75-01-4	VINYL CHLORIDE	561,188,913	2.11 %
74-85-1	ETHYLENE	375,444,898	1.41 %
100-42-5	STYRENE	236,628,486	0.89 %
7440-50-8 & N100	COPPER & COMPOUNDS	223,162,889	0.84 %
7782-50-5	CHLORINE	185,503,479	0.70 %
107-21-1	ETHYLENE GLYCOL	173,293,472	0.65 %
75-65-0	TERT-BUTYL ALCOHOL	163,605,855	0.62 %
7647-01-0	HYDROCHLORIC ACID	122,764,960	0.46 %
7439-92-1 & N420	LEAD & COMPOUNDS	100,610,229	0.38 %
	Sum of Top 20:	**24,947,480,243**	**93.96 %**
	Sum Other:	**1,604,349,925**	**6.04 %**
	Sum All:	**26,551,830,169**	**100.00 %**

Top 20 Facilities for Hazardous Substances Used in 2004

FACILITY NAME (CITY)	COUNTY	USE (pounds)	Percentage
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	5,914,611,640	22.28 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TW	GLOUCESTER	4,802,346,351	18.09 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	2,739,762,676	10.32 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	2,224,267,343	8.38 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	1,292,657,514	4.87 %
CITGO PETROLEUM CORPORATION (LINDEN)	UNION	1,243,015,401	4.68 %
GULF OIL LIMITED PARTNERSHIP (THOROFARE)	GLOUCESTER	1,065,058,735	4.01 %
BP PRODUCTS NORTH AMERICA INC (CARTERET)	MIDDLESEX	792,659,009	2.99 %
GULF OIL LIMITED PARTNERSHIP (LINDEN)	UNION	742,656,527	2.80 %
VALERO LOGISTICS OPERATIONS LP (PAULSBORO)	GLOUCESTER	675,710,672	2.54 %
AMERADA HESS CORP (PENNSAUKEN)	CAMDEN	538,415,475	2.03 %
MOTIVA ENTERPRISES LLC (NEWARK)	ESSEX	490,454,149	1.85 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	398,848,905	1.50 %
OXY VINYLS LP (PEDRICKTOWN)	SALEM	383,741,487	1.45 %
GETTY PETROLEUM MARKETING INC (NEWARK)	ESSEX	286,397,017	1.08 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	275,306,317	1.04 %
AMERADA HESS CORP (PERTH AMBOY)	MIDDLESEX	201,412,559	0.76 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	198,957,498	0.75 %
SOLVAY SOLEXIS (THOROFARE)	GLOUCESTER	162,039,700	0.61 %
HONEYWELL-PRESTONE PRODUCTS (FREEHOLD TWP)	MONMOUTH	148,347,800	0.56 %
	Sum of Top 20:	**24,576,666,775**	**92.56 %**
	Sum Other:	**1,975,163,393**	**7.44 %**
	Sum All:	**26,551,830,169**	**100.00 %**

Table 11. 2004 RPPR - Hazardous Substances Manufactured (pounds per year)

Top 20 Hazardous Substances Manufactured in 2004

CAS Number	SUBSTANCE NAME	Manufactured On-Site (pounds)	Percentage
1330-20-7	XYLENE (MIXED ISOMERS)	2,828,344,978	24.56 %
108-88-3	TOLUENE	2,174,859,222	18.88 %
115-07-1	PROPYLENE [PROPENE]	1,669,332,183	14.49 %
100-41-4	ETHYLBENZENE	884,825,043	7.68 %
95-63-6	1,2,4-TRIMETHYLBENZENE	633,198,509	5.50 %
98-82-8	CUMENE	528,897,882	4.59 %
71-43-2	BENZENE	484,812,783	4.21 %
110-82-7	CYCLOHEXANE	443,818,046	3.85 %
110-54-3	N-HEXANE	427,430,421	3.71 %
74-85-1	ETHYLENE	357,333,315	3.10 %
91-20-3	NAPHTHALENE	294,010,165	2.55 %
1634-04-4	METHYL TERT-BUTYL ETHER	219,675,372	1.91 %
7647-01-0	HYDROCHLORIC ACID	119,336,706	1.04 %
75-44-5	PHOSGENE	76,643,000	0.67 %
100-44-7	BENZYL CHLORIDE	67,281,234	0.58 %
7632-00-0	SODIUM NITRITE	54,121,018	0.47 %
99-65-0	M-DINITROBENZENE	44,129,214	0.38 %
75-68-3	1-CHLORO-1,1-DIFLUOROETHANE [HCFC-142B]	42,359,654	0.37 %
98-95-3	NITROBENZENE	37,645,801	0.33 %
108-45-2	1,3-PHENYLENEDIAMINE	29,608,715	0.26 %
	Sum of Top 20:	**11,417,663,261**	**99.13 %**
	Sum Other:	**100,227,092**	**0.87 %**
	Sum All:	**11,517,890,353**	**100.00 %**

Top 20 Facilities for Hazardous Substances Manufactured in 2004

FACILITY NAME (CITY)	COUNTY	Manufactured On-Site (pounds)	Percentage
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	4,518,823,578	39.23 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TW	GLOUCESTER	3,460,809,271	30.05 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	1,894,869,041	16.45 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	1,089,119,160	9.46 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	241,450,594	2.10 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	99,674,477	0.87 %
SOLVAY SOLEXIS (THOROFARE)	GLOUCESTER	82,273,752	0.71 %
REPAUNO PRODUCTS LLC (GREENWICH TWP)	GLOUCESTER	54,121,018	0.47 %
OLD BRIDGE CHEMICALS INC (OLD BRIDGE TWP)	MIDDLESEX	8,651,000	0.08 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	7,954,530	0.07 %
AGC CHEMICALS AMERICAS, INC (BAYONNE)	HUDSON	7,532,241	0.07 %
HERCULES INCORPORATED (PARLIN)	MIDDLESEX	5,602,551	0.05 %
SUNOCO PARTNERS M&T LP - PISCATAWAY (PISCATAWAY TWP)	MIDDLESEX	5,328,430	0.05 %
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	5,044,763	0.04 %
TROY CHEMICAL CORP INC (NEWARK)	ESSEX	4,081,897	0.04 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	3,787,011	0.03 %
CONECTIV (BEESLEYS POINT)	CAPE MAY	2,773,576	0.02 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	2,730,838	0.02 %
CHEM-FLEUR INC (NEWARK CITY)	ESSEX	2,546,542	0.02 %
FERRO CORP (SOUTH PLAINFIELD)	MIDDLESEX	2,308,252	0.02 %
	Sum of Top 20:	**11,499,482,521**	**99.84 %**
	Sum Other:	**18,407,832**	**0.16 %**
	Sum All:	**11,517,890,353**	**100.00 %**

Table 12. 2004 RPPR - Hazardous Substances Brought On Site (pounds per year)

Top 20 Hazardous Substances Brought On Site in 2004

CAS Number	SUBSTANCE NAME	Brought On-Site (pounds)	Percentage
1634-04-4	METHYL TERT-BUTYL ETHER	3,312,647,177	22.26 %
108-88-3	TOLUENE	2,344,909,388	15.76 %
1330-20-7	XYLENE (MIXED ISOMERS)	2,250,317,584	15.12 %
110-54-3	N-HEXANE	1,290,034,489	8.67 %
95-63-6	1,2,4-TRIMETHYLBENZENE	768,524,904	5.17 %
71-43-2	BENZENE	634,684,377	4.27 %
75-01-4	VINYL CHLORIDE	561,839,899	3.78 %
100-41-4	ETHYLBENZENE	516,298,006	3.47 %
110-82-7	CYCLOHEXANE	490,802,682	3.30 %
91-20-3	NAPHTHALENE	350,974,443	2.36 %
100-42-5	STYRENE	235,864,697	1.59 %
7440-50-8 & N100	COPPER & COMPOUNDS	199,366,899	1.34 %
7782-50-5	CHLORINE	188,843,450	1.27 %
107-21-1	ETHYLENE GLYCOL	171,872,605	1.16 %
75-65-0	TERT-BUTYL ALCOHOL	162,858,268	1.09 %
7439-92-1 & N420	LEAD & COMPOUNDS	99,243,900	0.67 %
98-82-8	CUMENE	90,037,240	0.61 %
108-05-4	VINYL ACETATE	89,768,007	0.60 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	86,126,483	0.58 %
67-56-1	METHANOL	77,799,282	0.52 %
	Sum of Top 20:	**13,922,813,780**	**93.57 %**
	Sum Other:	**956,007,572**	**6.43 %**
	Sum All:	**14,878,821,352**	**100.00 %**

Top 20 Facilities for Hazardous Substances Brought On Site in 2004

FACILITY NAME (CITY)	COUNTY	Brought On-Site (pounds)	Percentage
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	1,363,003,749	9.16 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TW	GLOUCESTER	1,336,968,676	8.99 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	1,329,576,043	8.94 %
CITGO PETROLEUM CORPORATION (LINDEN)	UNION	1,226,172,738	8.24 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	1,155,799,561	7.77 %
GULF OIL LIMITED PARTNERSHIP (THOROFARE)	GLOUCESTER	1,056,137,725	7.10 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	842,844,465	5.66 %
BP PRODUCTS NORTH AMERICA INC (CARTERET)	MIDDLESEX	792,644,023	5.33 %
GULF OIL LIMITED PARTNERSHIP (LINDEN)	UNION	743,080,455	4.99 %
VALERO LOGISTICS OPERATIONS LP (PAULSBORO)	GLOUCESTER	676,029,013	4.54 %
AMERADA HESS CORP (PENNSAUKEN)	CAMDEN	526,291,253	3.54 %
MOTIVA ENTERPRISES LLC (NEWARK)	ESSEX	474,899,761	3.19 %
OXY VINYLS LP (PEDRICKTOWN)	SALEM	384,193,457	2.58 %
GETTY PETROLEUM MARKETING INC (NEWARK)	ESSEX	284,476,825	1.91 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	198,357,849	1.33 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	177,932,636	1.20 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	160,752,743	1.08 %
HONEYWELL-PRESTONE PRODUCTS (FREEHOLD TWP)	MONMOUTH	148,014,668	0.99 %
AMERADA HESS CORP (PERTH AMBOY)	MIDDLESEX	141,990,695	0.95 %
AMROD CORP (NEWARK)	ESSEX	118,702,368	0.80 %
	Sum of Top 20:	**13,137,868,703**	**88.30 %**
	Sum Other:	**1,740,952,649**	**11.70 %**
	Sum All:	**14,878,821,352**	**100.00 %**

Table 13. 2004 RPPR - Hazardous Substances Consumed (pounds per year)

Top 20 Hazardous Substances Consumed in 2004

CAS Number	SUBSTANCE NAME	Consumed On-Site (pounds)	Percentage
115-07-1	PROPYLENE [PROPENE]	1,414,511,744	32.09 %
75-01-4	VINYL CHLORIDE	560,233,496	12.71 %
110-82-7	CYCLOHEXANE	327,333,786	7.43 %
71-43-2	BENZENE	315,043,108	7.15 %
100-42-5	STYRENE	221,480,886	5.02 %
74-85-1	ETHYLENE	213,475,886	4.84 %
7782-50-5	CHLORINE	158,288,776	3.59 %
110-54-3	N-HEXANE	125,627,141	2.85 %
108-05-4	VINYL ACETATE	89,637,673	2.03 %
75-44-5	PHOSGENE	76,496,550	1.74 %
75-21-8	ETHYLENE OXIDE	72,708,099	1.65 %
85-44-9	PHTHALIC ANHYDRIDE	65,588,700	1.49 %
71-55-6	1,1,1-TRICHLOROETHANE	59,392,876	1.35 %
108-88-3	TOLUENE	52,429,977	1.19 %
7697-37-2	NITRIC ACID	48,047,395	1.09 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	44,794,973	1.02 %
67-56-1	METHANOL	44,178,890	1.00 %
99-65-0	M-DINITROBENZENE	43,354,181	0.98 %
100-44-7	BENZYL CHLORIDE	42,046,707	0.95 %
7664-41-7	AMMONIA	37,932,829	0.86 %
	Sum of Top 20:	**4,012,603,673**	**91.03 %**
	Sum Other:	**395,601,018**	**8.97 %**
	Sum All:	**4,408,204,691**	**100.00 %**

Top 20 Facilities for Hazardous Substances Consumed in 2004

FACILITY NAME (CITY)	COUNTY	Consumed On-Site (pounds)	Percentage
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	1,024,287,300	23.24 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	931,035,727	21.12 %
OXY VINYLS LP (PEDRICKTOWN)	SALEM	383,737,844	8.71 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	327,643,965	7.43 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	309,467,407	7.02 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	227,026,639	5.15 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	198,946,764	4.51 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	163,341,084	3.71 %
SOLVAY SOLEXIS (THOROFARE)	GLOUCESTER	104,972,392	2.38 %
POLYONE CORPORATION (OLDMANS TWP)	SALEM	98,489,697	2.23 %
BASF CORPORATION -DEL- (WASHINGTON)	WARREN	90,803,503	2.06 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	82,644,757	1.87 %
AIR PRODUCTS POLYMERS, L.P. (SOUTH BRUNSWICK TWP)	MIDDLESEX	81,544,502	1.85 %
KUEHNE CHEMICAL CO INC (KEARNY)	HUDSON	54,497,859	1.24 %
NOVEON, INC. (OLDMANS TWP)	SALEM	54,000,047	1.22 %
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	19,203,916	0.44 %
UCAR EMULSION SYSTEMS (SOMERSET)	SOMERSET	16,283,671	0.37 %
REPAUNO PRODUCTS LLC (GREENWICH TWP)	GLOUCESTER	15,946,460	0.36 %
HERCULES INCORPORATED (PARLIN)	MIDDLESEX	15,842,225	0.36 %
AGC CHEMICALS AMERICAS, INC (BAYONNE)	HUDSON	15,426,665	0.35 %
	Sum of Top 20:	**4,215,142,424**	**95.62 %**
	Sum Other:	**193,062,267**	**4.38 %**
	Sum All:	**4,408,204,691**	**100.00 %**

Table 14. 2004 RPPR - Hazardous Substances Shipped as (or in) Product (pounds per year)

Top 20 Hazardous Substances Shipped as (or in) Product in 2004

CAS Number	SUBSTANCE NAME	Shipped as Product (pounds)	Percentage
1330-20-7	XYLENE (MIXED ISOMERS)	5,066,380,385	23.16 %
108-88-3	TOLUENE	4,467,890,316	20.42 %
1634-04-4	METHYL TERT-BUTYL ETHER	3,566,772,204	16.30 %
110-54-3	N-HEXANE	1,593,585,578	7.28 %
95-63-6	1,2,4-TRIMETHYLBENZENE	1,408,887,660	6.44 %
100-41-4	ETHYLBENZENE	1,398,584,296	6.39 %
71-43-2	BENZENE	806,841,153	3.69 %
91-20-3	NAPHTHALENE	648,520,800	2.96 %
110-82-7	CYCLOHEXANE	608,375,488	2.78 %
98-82-8	CUMENE	607,985,444	2.78 %
115-07-1	PROPYLENE [PROPENE]	336,685,138	1.54 %
7440-50-8 & N100	COPPER & COMPOUNDS	203,789,720	0.93 %
75-65-0	TERT-BUTYL ALCOHOL	161,638,113	0.74 %
107-21-1	ETHYLENE GLYCOL	160,118,174	0.73 %
74-85-1	ETHYLENE	158,432,877	0.72 %
7439-92-1 & N420	LEAD & COMPOUNDS	83,840,417	0.38 %
7439-96-5 & N450	MANGANESE & COMPOUNDS	65,843,129	0.30 %
7647-01-0	HYDROCHLORIC ACID	58,816,072	0.27 %
7632-00-0	SODIUM NITRITE	54,402,915	0.25 %
7440-66-6 & N982	ZINC & COMPOUNDS	44,929,809	0.21 %
	Sum of Top 20:	**21,502,319,688**	**98.27 %**
	Sum Other:	**377,463,568**	**1.73 %**
	Sum All:	**21,879,783,256**	**100.00 %**

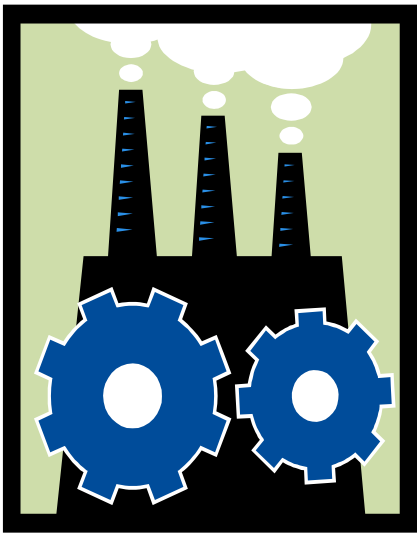
Top 20 Facilities for Hazardous Substances Shipped as (or in) Product in 2004

FACILITY NAME (CITY)	COUNTY	Shipped as Product (pounds)	Percentage
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	4,883,032,312	22.32 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	3,867,436,609	17.68 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	2,573,257,655	11.76 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	1,895,040,513	8.66 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	1,292,423,532	5.91 %
CITGO PETROLEUM CORPORATION (LINDEN)	UNION	1,242,978,685	5.68 %
GULF OIL LIMITED PARTNERSHIP (THOROFARE)	GLOUCESTER	1,065,053,875	4.87 %
BP PRODUCTS NORTH AMERICA INC (CARTERET)	MIDDLESEX	792,620,742	3.62 %
GULF OIL LIMITED PARTNERSHIP (LINDEN)	UNION	742,647,063	3.39 %
VALERO LOGISTICS OPERATIONS LP (PAULSBORO)	GLOUCESTER	675,704,263	3.09 %
AMERADA HESS CORP (PENNSAUKEN)	CAMDEN	538,404,558	2.46 %
MOTIVA ENTERPRISES LLC (NEWARK)	ESSEX	490,435,654	2.24 %
GETTY PETROLEUM MARKETING INC (NEWARK)	ESSEX	286,393,368	1.31 %
AMERADA HESS CORP (PERTH AMBOY)	MIDDLESEX	201,403,666	0.92 %
HONEYWELL-PRESTONE PRODUCTS (FREEHOLD TWP)	MONMOUTH	147,645,092	0.67 %
AMROD CORP (NEWARK)	ESSEX	118,445,848	0.54 %
CHEVRON PRODUCTS COMPANY (PERTH AMBOY)	MIDDLESEX	90,624,268	0.41 %
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	61,326,394	0.28 %
AMERADA HESS CORP (NEWARK)	ESSEX	59,515,205	0.27 %
SOLVAY SOLEXIS (THOROFARE)	GLOUCESTER	55,586,291	0.25 %
	Sum of Top 20:	**21,079,975,593**	**96.34 %**
	Sum Other:	**799,807,663**	**3.66 %**
	Sum All:	**21,879,783,256**	**100.00 %**

3. Nonproduct Output Data Summary for All Hazardous Substances

Nonproduct output (NPO) means all hazardous substances or hazardous wastes that are generated prior to storage, out-of-process recycling, treatment, control or disposal, and that are not intended for use as a product. Therefore, NPO includes all on-site releases (including fugitive releases), on-site waste management, and off-site waste transfers. As shown in Figure 4, 64% of NPO is managed on site at the reporting facilities, 30% is sent off site to other waste management facilities, and 6% is directly released to the environment at the reporting facilities. Appendix C presents a detailed description of the materials accounting data elements and a sample version of the RPPR, Section B.

Summary tables for all on-site releases, on-site management of wastes, and off-site transfers follow in this section. The data reported in this section include the records for which trade secret claims were submitted since NPO data may not be claimed trade secret. Table 15 presents a summary of on-site releases and off-site transfers for all substances, listed alphabetically by substance name. Table 16 presents a summary of all substances reported as managed on site. Only those substances that had an on-site management quantity greater than zero are included in Table 16 (138 substances of the 209 reported). Table 17 presents a summary of on-site releases and off-site transfers by county. Table18 presents a summary of on-site releases and off-site transfers by SIC Code.



Tables 19 through 35 present the top 10 for each individual NPO data element and several combined data elements. Each top 10 list contains three sub-tables, one for the top 10 substances, a second for the top 10 facilities, and a third for the top 10 individual substance records for each category.

Table 19 presents the top 10 substances generated as total NPO in 2004. The top 10 substances accounted for 78.7% of all NPO and amounted to 218,403,490 pounds. Hydrochloric acid (aerosol forms only) had the highest reported quantities of NPO in the state, accounting for 23.7% of all NPO. Only one substance (toluene) made the top 10 lists for both Use (Table 10) and NPO. The top 10 facilities accounted for nearly 61.5% of all NPO.

Tables 20 through 31 presents the top 10 for total on-site releases, total air emissions, stack air emissions, fugitive air emissions, surface water discharges, on-site land disposal, total off-site transfers, discharges to POTWs, transfers for off-site recycling, transfers for off-site energy recovery, transfers for treatment, and transfers for disposal, respectively. Tables 32 through 35 present the top 10 for total on-site management, on-site recycling, on-site energy recovery, and destroyed through on-site treatment, respectively.

Table 15. 2004 RPPR On-Site Releases and Off-Site Transfers Data Reported by New Jersey Facilities (ordered alphabetically by substance name; data reported in pounds per year)

CAS #	SUBSTANCE NAME	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
71-55-6	1,1,1-TRICHLOROETHANE	1	0	5	0	0	**6**	0	0	0	0	0	**0**
1717-00-6	1,1-DICHLORO-1-FLUOROETHANE (HCFC-141B)	1,725	10,101	0	0	0	**11,826**	0	26,977	0	0	0	**26,977**
95-63-6	1,2,4-TRIMETHYLBENZENE	43,170	29,526	67	0	0	**72,763**	17,677	5,265	108,650	21,361	2,250	**155,203**
106-88-7	1,2-BUTYLENE OXIDE	0	32	0	0	0	**32**	0	0	0	0	0	**0**
95-50-1	1,2-DICHLOROBENZENE	525	0	34	0	181	**740**	0	0	0	15,922	300	**16,222**
107-06-2	1,2-DICHLOROETHANE	0	1	0	0	0	**1**	2	0	6,888	69	0	**6,959**
78-87-5	1,2-DICHLOROPROPANE	12,152	452	26	0	0	**12,630**	0	0	0	115,646	0	**115,646**
95-54-5	1,2-PHENYLENEDIAMINE	1,390	42	1	0	35	**1,468**	0	0	76,649	120	352	**77,121**
106-99-0	1,3-BUTADIENE	178	4,284	0	0	0	**4,462**	0	0	0	0	0	**0**
4080-31-3	1-(3-CHLOROALLYL)-3,5,7-TRIAZA-1-AZONIAA	1	0	0	0	0	**1**	0	0	0	197	0	**197**
507-55-1	1,3-DICHLORO-1,1,2,23-PENTAFLUOROPROPANE	1,582	1,851	0	0	0	**3,433**	0	0	0	0	0	**0**
108-45-2	1,3-PHENYLENEDIAMINE	322	10	8	0	362	**702**	0	0	599,254	939	2,756	**602,949**
106-46-7	1,4-DICHLOROBENZENE	0	54	0	0	0	**54**	0	0	0	0	0	**0**
35691-65-7	1-BROMO-1-(BROMOMETHYL)-1,3-PROPANEDICAR	1	0	0	0	0	**1**	0	0	0	17	0	**17**
75-68-3	1-CHLORO-1,1-DIFLUOROETHANE [HCFC-142B]	1,850	146	0	0	0	**1,996**	0	0	0	0	0	**0**
306-83-2	2,2-DICHLORO-1,1,1-TRIFLUOROETHANE	3,736	11,519	0	0	0	**15,255**	1,736	0	0	0	0	**1,736**
95-95-4	2,4,5-TRICHLOROPHENOL	225	0	4,689	0	6	**4,920**	0	0	0	27	0	**27**
88-06-2	2,4,6-TRICHLOROPHENOL	82	0	1,705	0	9	**1,796**	0	0	0	0	8	**8**
51-28-5	2,4-DINITROPHENOL	12	0	502	0	88	**602**	0	0	0	0	0	**0**
110-80-5	2-ETHOXYETHANOL	0	0	0	0	0	**0**	0	0	29	0	0	**29**
90-43-7	2-PHENYLPHENOL	1	0	0	0	0	**1**	0	0	0	12	0	**12**
422-56-0	3,3-DICHLORO-1,1,1,22-PENTAFLUOROPROPANE	1,582	1,851	0	0	0	**3,433**	0	0	0	0	0	**0**
612-83-9	3,3-DICHLOROBENZIDINE DIHYDROCHLORIDE	0	0	0	0	0	**0**	0	0	0	0	0	**0**
55406-53-6	3-IODO-2-PROPYNYL BUTYLCARBAMATE	13	52	0	0	0	**65**	7,340	0	0	31,104	52,620	**91,064**
80-05-7	4,4-ISOPROPYLIDENEDIPHENOL	287	66	0	0	0	**353**	18	0	0	0	47,261	**47,279**
101-14-4	4,4-METHYLENEBIS(2-CHLOROANILINE)	0	0	0	0	0	**0**	0	0	1	0	0	**1**
100-02-7	4-NITROPHENOL	0	0	305	0	31	**336**	0	0	0	0	39	**39**
99-55-8	5-NITRO-O-TOLUIDINE	0	0	0	0	0	**0**	0	0	0	0	0	**0**
75-07-0	ACETALDEHYDE	1,673	6	7	0	58	**1,744**	0	0	7	228	0	**235**
75-05-8	ACETONITRILE	3,383	4,899	1,632	0	90	**10,004**	11,472	5	199,109	36,514	0	**247,100**
98-86-2	ACETOPHENONE	20	12	0	0	0	**32**	4	0	0	0	0	**4**
79-06-1	ACRYLAMIDE	3	10	60	0	44	**117**	30	1	0	249	0	**280**
79-10-7	ACRYLIC ACID	164	101	0	0	0	**265**	587	852	181	273	1	**1,894**
107-13-1	ACRYLONITRILE	71	29	0	0	0	**100**	0	0	1,292	8,864	0	**10,156**
107-18-6	ALLYL ALCOHOL	494	4	16	0	139	**653**	0	0	0	40	0	**40**
7429-90-5	ALUMINUM (FUME OR DUST)	151	4,612	0	0	295	**5,058**	1	2,768	0	0	19,756	**22,525**

Table 15. 2004 RPPR On-Site Releases and Off-Site Transfers Data Reported by New Jersey Facilities (continued)
(ordered alphabetically by substance name; data reported in pounds per year)

CAS #	SUBSTANCE NAME	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
1344-28-1	ALUMINUM OXIDE (FIBROUS FORMS)	2	1	0	0	0	**3**	0	0	0	0	168	**168**
7664-41-7	AMMONIA	675,453	115,100	222,002	0	351	**1,012,906**	178,314	52,911	0	31,696	40,219	**303,140**
62-53-3	ANILINE (AND SALTS)	1,968	43	0	0	57	**2,068**	767	0	235	0	0	**1,002**
7440-36-0	ANTIMONY	8	62	0	0	0	**70**	0	51,517	0	0	17	**51,534**
N010	ANTIMONY COMPOUNDS	266	40	1	1	0	**308**	13	1,559	2,145	144	149,262	**153,123**
N020	ARSENIC COMPOUNDS	1,627	0	65	0	0	**1,692**	1	9,036	0	2,286	277	**11,600**
1912-24-9	ATRAZINE	1	0	4,340	0	13,380	**17,721**	0	0	0	0	0	**0**
7440-39-3	BARIUM	89	0	0	0	0	**89**	0	38,955	0	0	302	**39,354**
N040	BARIUM COMPOUNDS [EXCEPT BARIUM SULFATE]	4,980	3,261	1	0	0	**8,242**	10,162	130,936	1	5,641	122,926	**269,666**
98-87-3	BENZAL CHLORIDE	11	226	0	0	0	**237**	0	0	328,766	0	0	**328,766**
71-43-2	BENZENE	26,276	24,936	443	0	7	**51,662**	2,938	1,039	780	1,898	293	**6,948**
191-24-2	BENZO(G,H,I)PERYLENE	41	8	0	0	69	**119**	0	4	0	29	60	**93**
98-07-7	BENZOIC TRICHLORIDE	0	0	0	0	0	**0**	0	0	21,446	0	0	**21,446**
94-36-0	BENZOYL PEROXIDE	0	112	0	0	0	**112**	0	0	0	12	55	**67**
100-44-7	BENZYL CHLORIDE	1,513	1,493	258	0	80	**3,344**	0	0	921,051	0	912	**921,963**
56-35-9	BIS(TRIBUTYLTIN) OXIDE	0	0	0	0	0	**0**	0	0	0	0	0	**0**
141-32-2	BUTYL ACRYLATE	453	917	0	0	0	**1,370**	93	1,433	2,392	7,791	53	**11,762**
7440-43-9	CADMIUM	0	0	0	0	0	**0**	0	422	0	0	11	**433**
N078	CADMIUM COMPOUNDS	6	2	0	0	0	**8**	1	11,254	75	288	20,321	**31,939**
56-23-5	CARBON TETRACHLORIDE	5,001	0	17	0	4	**5,022**	0	0	0	0	2	**2**
120-80-9	CATECHOL	7	2	11,948	0	113	**12,070**	0	0	1,238	0	0	**1,238**
57-74-9	CHLORDANE	0	0	35	0	6	**41**	0	0	0	0	5	**5**
7782-50-5	CHLORINE	8,922	232	12	0	0	**9,166**	8,787	0	0	0	0	**8,787**
10049-04-4	CHLORINE DIOXIDE	130	0	0	0	0	**130**	0	0	0	0	0	**0**
79-11-8	CHLOROACETIC ACID	6	0	0	0	0	**6**	16	0	0	0	0	**16**
108-90-7	CHLOROBENZENE	224	0	49	0	32	**305**	0	0	737	21	59	**817**
75-45-6	CHLORODIFLUOROMETHANE [HCFC-22]	59,229	412,443	0	0	0	**471,672**	0	6,974	1,090	0	0	**8,064**
75-00-3	CHLOROETHANE	11,384	47,060	11	0	0	**58,455**	0	148	5,982	15	0	**6,145**
67-66-3	CHLOROFORM	7,933	774	519	0	0	**9,226**	17,157	0	15,763	133	50	**33,103**
74-87-3	CHLOROMETHANE	42,460	0	104	0	7	**42,571**	0	0	0	0	6	**6**
N084	CHLOROPHENOLS	1	26	0	0	0	**27**	54	0	0	0	0	**54**
1897-45-6	CHLOROTHALONIL	0	0	0	0	0	**0**	0	0	0	16	0	**16**
7440-47-3	CHROMIUM	999	302	15	0	0	**1,316**	10	748,806	5,856	610	37,991	**793,273**
N090	CHROMIUM COMPOUNDS	2,450	1,666	1,936	0	11,985	**18,037**	2,357	159,127	1,405	958	42,175	**206,022**
989-38-8	C.I. BASIC RED 1	6	6	0	0	0	**12**	0	0	0	0	0	**0**
81-88-9	C.I. FOOD RED 15	0	0	0	0	0	**0**	0	0	0	0	0	**0**

Table 15. 2004 RPPR On-Site Releases and Off-Site Transfers Data Reported by New Jersey Facilities (continued)
(ordered alphabetically by substance name; data reported in pounds per year)

CAS #	SUBSTANCE NAME	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
7440-48-4	COBALT	932	0	0	0	0	**932**	5	773,907	7,418	0	203	**781,533**
N096	COBALT COMPOUNDS	395	6	22	0	240	**663**	346	9,792	0	100	863	**11,101**
7440-50-8	COPPER	6,067	14,933	80	3	0	**21,083**	733	3,142,418	2,579	414	12,561	**3,158,705**
N100	COPPER COMPOUNDS [WITH EXCEPTIONS]	1,188	1,420	11,664	0	60	**14,332**	131	222,017	0	41	103,280	**325,469**
8001-58-9	CREOSOTE	145	274	0	0	0	**419**	1,588	0	22,527	0	0	**24,115**
1319-77-3	CRESOL (MIXED ISOMERS)	1,558	32	22	0	772	**2,384**	12	0	0	13	0	**25**
98-82-8	CUMENE	9,007	10,905	7	0	0	**19,919**	74	45	730	72	3	**924**
21725-46-2	CYANAZINE	0	0	0	0	370	**370**	0	0	0	0	0	**0**
N106	CYANIDE COMPOUNDS	13,961	0	2,837	0	367	**17,165**	0	0	0	0	3,006	**3,006**
110-82-7	CYCLOHEXANE	31,789	5,149	22	0	2,339	**39,299**	0	458	53	109,363	222	**110,096**
68359-37-5	CYFLUTHRIN	1	0	0	0	0	**1**	0	0	0	43	0	**43**
533-74-4	DAZOMET	1	0	0	0	0	**1**	0	0	0	164	0	**164**
1163-19-5	DECABROMODIPHENYL OXIDE	39	27	1	1	0	**68**	4	0	0	2,366	90,471	**92,841**
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]	2,057	232	0	0	0	**2,289**	0	0	4,391	1,741	2,625	**8,757**
84-74-2	DIBUTYL PHTHALATE	28	160	0	0	0	**188**	0	0	23,678	1,436	0	**25,114**
25321-22-6	DICHLOROBENZENE (MIXED ISOMERS)	565	2	949	0	1,573	**3,089**	0	0	0	0	2,608	**2,608**
75-71-8	DICHLORODIFLUOROMETHANE [CFC-12]	22,722	16,046	0	0	0	**38,768**	0	0	0	45,201	0	**45,201**
75-43-4	DICHLOROFLUOROMETHANE [HCFC-21]	28	3,701	0	0	0	**3,729**	0	0	0	0	0	**0**
75-09-2	DICHLOROMETHANE	46,925	42,506	1	0	0	**89,432**	59,349	621,410	137,749	87,126	196	**905,830**
76-14-2	DICHLOROTETRAFLUOROETHANE [CFC-114]	0	0	0	0	0	**0**	0	0	0	0	0	**0**
77-73-6	DICYCLOPENTADIENE	160	23	0	0	0	**183**	0	0	201	0	0	**201**
111-42-2	DIETHANOLAMINE	482	40	486	0	4	**1,012**	808	0	190	202	200	**1,400**
64-67-5	DIETHYL SULFATE	0	0	0	0	0	**0**	0	0	0	0	0	**0**
35367-38-5	DIFLUBENZURON	1	0	0	0	0	**1**	0	0	0	20	0	**20**
101-90-6	DIGLYCIDYL RESORCINOL ETHER	1	0	0	0	0	**1**	237	0	2,159	0	0	**2,396**
N120	DIISOCYANATES	914	208	0	0	0	**1,122**	0	11	12,428	18,930	323	**31,692**
124-40-3	DIMETHYLAMINE	1,813	25	219	0	47	**2,104**	131	0	0	0	0	**131**
131-11-3	DIMETHYL PHTHALATE	258	127	0	0	0	**385**	13	0	659	0	0	**672**
77-78-1	DIMETHYL SULFATE	1	0	0	0	0	**1**	0	0	0	0	0	**0**
106-89-8	EPICHLOROHYDRIN	1,515	501	0	0	0	**2,016**	48,642	60	0	0	0	**48,702**
140-88-5	ETHYL ACRYLATE	205	383	1	0	0	**589**	7	0	28	21,074	11	**21,120**
100-41-4	ETHYLBENZENE	28,009	12,317	264	0	7	**40,597**	151	5,036	669,924	35,007	5,813	**715,931**
74-85-1	ETHYLENE	45,995	8,028	0	0	0	**54,023**	11	0	0	0	0	**11**
107-21-1	ETHYLENE GLYCOL	9,726	6,738	2,908	0	101	**19,473**	2,059,543	872,455	74,771	91,254	2,922	**3,100,945**
75-21-8	ETHYLENE OXIDE	944	2,278	0	0	0	**3,222**	4,019	0	0	960	0	**4,979**
50-00-0	FORMALDEHYDE	7,948	202	0	0	63	**8,213**	0	0	1,967	467	737	**3,171**

Table 15. 2004 RPPR On-Site Releases and Off-Site Transfers Data Reported by New Jersey Facilities (continued)
(ordered alphabetically by substance name; data reported in pounds per year)

CAS #	SUBSTANCE NAME	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
64-18-6	FORMIC ACID	153	595	126	0	13	**887**	4	0	68,289	1,260	0	**69,553**
N230	GLYCOL ETHERS (EXCEPT SURFACTANTS)	52,594	44,481	3,188	0	2,427	**102,690**	247,691	38,842	255,701	58,831	2,186	**603,251**
76-44-8	HEPTACHLOR	0	0	9	0	7	**16**	0	0	0	0	0	**0**
118-74-1	HEXACHLOROBENZENE	15	3	43	0	74	**135**	0	0	0	2,772	85	**2,857**
67-72-1	HEXACHLOROETHANE	0	0	0	0	0	**0**	0	0	0	0	0	**0**
302-01-2	HYDRAZINE	35	0	0	0	0	**35**	0	0	0	0	0	**0**
7647-01-0	HYDROCHLORIC ACID	6,233,818	5,883	0	0	0	**6,239,701**	0	0	11,402	5,271	33,351	**50,024**
74-90-8	HYDROGEN CYANIDE [HYDROCYANIC ACID]	47,424	0	0	0	0	**47,424**	0	0	0	0	0	**0**
7664-39-3	HYDROGEN FLUORIDE	285,047	873	0	0	0	**285,920**	0	0	0	17,018	0	**17,018**
123-31-9	HYDROQUINONE	4	117	0	0	0	**121**	0	0	5	326	0	**331**
78-84-2	ISOBUTYRALDEHYDE	2,072	11	0	0	0	**2,083**	0	0	0	82	0	**82**
7439-92-1	LEAD	1,806	54	4	0	322	**2,185**	43	1,808,221	0	481	35,709	**1,844,455**
N420	LEAD COMPOUNDS	6,149	327	127	0	1,102	**7,706**	5,686	12,792,974	7,066	79,477	415,235	**13,300,437**
554-13-2	LITHIUM CARBONATE	231	33	0	0	0	**264**	109	0	0	2,050	0	**2,159**
108-31-6	MALEIC ANHYDRIDE	881	720	0	0	0	**1,601**	117	0	27	4,504	16	**4,664**
12427-38-2	MANEB	1	0	0	0	0	**1**	0	0	0	199	0	**199**
7439-96-5	MANGANESE	750	646	16	0	0	**1,412**	12	350,478	0	0	54,924	**405,414**
N450	MANGANESE COMPOUNDS	9,414	691	4,859	0	7,783	**22,747**	218	1,361,748	12	12,267	135,596	**1,509,841**
99-65-0	M-DINITROBENZENE	4,149	0	2	0	161	**4,312**	0	0	464	3,809	524,650	**528,923**
7439-97-6	MERCURY	369	0	0	0	0	**370**	0	2,054	1	96	105	**2,257**
N458	MERCURY COMPOUNDS	413	0	7	0	1	**420**	0	254	0	67	276	**597**
67-56-1	METHANOL	85,678	33,119	107	0	4	**118,908**	9,566,097	580,938	5,025,618	663,103	146	**15,835,902**
96-33-3	METHYL ACRYLATE	286	841	0	0	0	**1,127**	12	381	169	118	250	**930**
108-10-1	METHYL ISOBUTYL KETONE	59,031	12,178	9,544	0	42	**80,795**	138	1,256,447	404,610	31,511	18,463	**1,711,169**
80-62-6	METHYL METHACRYLATE	3,676	1,710	0	0	4	**5,390**	82	0	4,921	3,375	68	**8,446**
1634-04-4	METHYL TERT-BUTYL ETHER	197,353	35,378	10,596	0	4,935	**248,262**	0	9,242	217	18,424	370	**28,253**
1313-27-5	MOLYBDENUM TRIOXIDE	259	3	0	0	0	**262**	0	38,829	0	0	1,027	**39,856**
76-15-3	MONOCHLOROPENTAFLUOROETHANE [CFC-115]	39	274,496	0	0	0	**274,535**	0	0	0	0	0	**0**
91-20-3	NAPHTHALENE	12,185	5,359	533	0	17	**18,094**	2	7,719	209,461	115,574	6,617	**339,373**
71-36-3	N-BUTYL ALCOHOL	46,945	28,992	784	0	396	**77,117**	1,418	3,152	253,954	124,931	4,607	**388,062**
110-54-3	N-HEXANE	72,192	40,453	736	0	11,278	**124,659**	0	1,974	120,625	14,832	347	**137,778**
7440-02-0	NICKEL	1,528	195	6	0	0	**1,729**	2,817	733,354	16,619	0	8,376	**761,166**
N495	NICKEL COMPOUNDS	2,672	220	11,105	0	9,223	**23,220**	211	47,572	0	742	17,340	**65,865**
1929-82-4	NITRAPYRIN	136	0	1	0	2,359	**2,496**	0	0	0	0	0	**0**
N511	NITRATE COMPOUNDS (WATER DISSOCIABLE)	20,241	106	4,629,151	0	5,493	**4,654,991**	8,734,135	2,901	0	78,148	11,639	**8,826,823**
7697-37-2	NITRIC ACID	5,600	8,613	364	0	0	**14,577**	49	7,688	0	13,955	56	**21,748**

Table 15. 2004 RPPR On-Site Releases and Off-Site Transfers Data Reported by New Jersey Facilities (continued)
(ordered alphabetically by substance name; data reported in pounds per year)

CAS #	SUBSTANCE NAME	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
98-95-3	NITROBENZENE	6,873	0	60	0	46	**6,979**	0	0	3	122	8	**133**
872-50-4	N-METHYL-2-PYRROLIDONE	4,061	787	0	0	0	**4,848**	493	510	212,300	5,690	71	**219,082**
924-42-5	N-METHYLOLACRYLAMIDE	14	19	0	0	0	**33**	90	1	0	335	0	**426**
68-12-2	N,N-DIMETHYLFORMAMIDE	1,483	217	0	0	445	**2,145**	1,200	28,660	40,196	2,671	0	**72,727**
528-29-0	O-DINITROBENZENE	182	0	102,329	0	923	**103,434**	0	0	59	487	1,846	**2,392**
95-47-6	O-XYLENE	402	124	0	0	0	**526**	2,386	41,499	41,593	0	0	**85,478**
10028-15-6	OZONE	0	60	0	0	0	**60**	0	0	0	0	0	**0**
106-44-5	P-CRESOL	8	0	0	0	0	**8**	0	0	0	0	0	**0**
100-25-4	P-DINITROBENZENE	51	0	28,100	0	4	**28,155**	0	0	16	133	556	**705**
608-93-5	PENTACHLOROBENZENE	60	0	0	0	0	**60**	0	0	0	0	0	**0**
57-33-0	PENTOBARBITAL SODIUM	1	0	0	0	0	**1**	0	0	6,346	337	0	**6,683**
79-21-0	PERACETIC ACID	3	349	0	0	0	**352**	0	0	0	0	0	**0**
52645-53-1	PERMETHRIN	1	0	0	0	0	**1**	0	0	0	34	0	**34**
108-95-2	PHENOL	5,054	18,785	587	0	7,524	**31,950**	100	0	23,205	101	5,885	**29,291**
26002-80-2	PHENOTHRIN	10	10	0	0	0	**20**	2,373	0	0	17,195	0	**19,568**
75-44-5	PHOSGENE	5,958	1	0	0	0	**5,959**	0	0	0	0	0	**0**
7723-14-0	PHOSPHORUS	1	3	0	0	0	**4**	0	38,269	0	0	3,046	**41,315**
85-44-9	PHTHALIC ANHYDRIDE	7,369	1,134	0	0	0	**8,503**	4	0	21,250	126	1,613	**22,993**
88-89-1	PICRIC ACID	0	0	0	0	478	**478**	0	0	0	0	0	**0**
100-01-6	P-NITROANILINE	0	0	0	0	0	**0**	0	0	0	0	0	**0**
N583	POLYCHLORINATED ALKANES	0	0	0	0	0	**0**	0	0	1,306	0	2,629	**3,935**
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0	0	0	0	0	**1**	0	0	0	12	24	**36**
N590	POLYCYCLIC AROMATIC COMPOUNDS	837	311	84	0	514	**1,746**	26	384	408	19	3,168	**4,005**
106-50-3	P-PHENYLENEDIAMINE	1,704	51	0	0	332	**2,087**	866	0	20,904	1,740	96	**23,606**
107-19-7	PROPARGYL ALCOHOL	256	63	0	0	0	**319**	503	0	0	0	0	**503**
123-38-6	PROPIONALDEHYDE	5	0	0	0	0	**5**	0	0	0	0	0	**0**
75-55-8	PROPYLENEIMINE	56	91	5	0	0	**152**	0	0	0	0	3	**3**
75-56-9	PROPYLENE OXIDE	797	980	0	0	0	**1,777**	0	0	0	0	0	**0**
115-07-1	PROPYLENE [PROPENE]	47,739	50,616	0	0	0	**98,355**	0	0	0	0	0	**0**
110-86-1	PYRIDINE	825	0	11	0	15	**851**	0	0	596	120	0	**716**
106-51-4	QUINONE	1	0	0	0	0	**1**	0	0	0	52	0	**52**
78-92-2	SEC-BUTYL ALCOHOL	12,357	5,181	159	0	0	**17,697**	0	0	321,090	200,500	0	**521,590**
7782-49-2	SELENIUM	9	0	0	0	0	**9**	0	2,278	0	512	0	**2,790**
N725	SELENIUM COMPOUNDS	951	0	0	0	0	**951**	0	0	0	0	0	**0**
7440-22-4	SILVER	138	132	0	0	0	**270**	6	14,503	0	0	8	**14,517**
N740	SILVER COMPOUNDS	97	0	0	0	0	**97**	40	249,173	0	0	249	**249,462**

Table 15. 2004 RPPR On-Site Releases and Off-Site Transfers Data Reported by New Jersey Facilities (continued)
(ordered alphabetically by substance name; data reported in pounds per year)

CAS #	SUBSTANCE NAME	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
128-04-1	SODIUM DIMETHYLDITHIOCARBAMATE	0	4	0	0	0	**4**	0	0	0	0	0	**0**
7632-00-0	SODIUM NITRITE	38	8,765	49,741	0	3	**58,547**	121,487	0	0	27	1,500	**123,014**
132-27-4	SODIUM O-PHENYLPHENOXIDE	0	1	0	0	0	**1**	0	0	0	0	10	**10**
100-42-5	STYRENE	220,524	20,596	20	0	0	**241,140**	192	0	21,945	22,358	46	**44,541**
7664-93-9	SULFURIC ACID	856,398	979	0	0	0	**857,377**	0	0	0	103,655	0	**103,655**
75-65-0	TERT-BUTYL ALCOHOL	4,463	20,784	3,966	0	2,252	**31,465**	144,177	62,875	84,637	256,819	0	**548,508**
79-94-7	TETRABROMOBISPHENOL A	0	0	0	0	0	**0**	0	0	0	0	0	**0**
127-18-4	TETRACHLOROETHYLENE [PERCHLOROETHYLENE]	21	97	0	0	0	**118**	0	0	0	937	0	**937**
961-11-5	TETRACHLORVINPHOS	85	10	0	0	0	**95**	606	0	0	891	0	**1,497**
N760	THALLIUM COMPOUNDS	7	0	0	0	0	**7**	0	0	0	0	286	**286**
148-79-8	THIABENDAZOLE	1	0	0	0	0	**1**	0	0	0	170	0	**170**
23564-05-8	THIOPHANATE METHYL	1	0	0	0	0	**1**	0	0	0	197	0	**197**
7550-45-0	TITANIUM TETRACHLORIDE	960	1,362	0	0	0	**2,322**	0	0	857	4,579	0	**5,436**
108-88-3	TOLUENE	260,727	184,250	811	0	1,544	**447,332**	1,584	113,603	2,127,261	140,613	30,358	**2,413,419**
584-84-9	TOLUENE-2,4-DIISOCYANATE	6	0	0	0	0	**6**	0	0	0	0	0	**0**
26471-62-5	TOLUENE DIISOCYANATE (MIXED ISOMERS)	243	198	0	0	0	**441**	0	0	0	10,314	0	**10,314**
43121-43-3	TRIADIMEFON	1	0	0	0	0	**1**	0	0	0	16	0	**16**
79-01-6	TRICHLOROETHYLENE	13,433	27,476	0	0	0	**40,909**	36	41,135	131,727	1,428	0	**174,326**
75-69-4	TRICHLOROFLUOROMETHANE [CFC-11]	6,751	30,311	0	0	0	**37,062**	0	0	0	184,590	0	**184,590**
121-44-8	TRIETHYLAMINE	4,616	7,092	5	0	172	**11,885**	0	0	4,887	6,316	0	**11,203**
51-79-6	URETHANE	0	20	0	0	0	**20**	0	0	0	0	0	**0**
N770	VANADIUM COMPOUNDS	1,987	254	19,568	0	934	**22,743**	0	14,733	0	2,769	37,097	**54,599**
7440-62-2	VANADIUM (EXCEPT WHEN IN AN ALLOY)	131	0	0	0	0	**131**	1,751	3,294	0	402	2,626	**8,073**
108-05-4	VINYL ACETATE	87,713	871	3	0	8	**88,595**	1,846	1,998	1,400	61,651	2,125	**69,020**
75-01-4	VINYL CHLORIDE	27,088	11,306	46	0	0	**38,440**	0	0	0	69	62	**131**
75-35-4	VINYLIDENE CHLORIDE	0	0	45	0	4	**49**	0	0	0	960	2	**962**
1330-20-7	XYLENE (MIXED ISOMERS)	187,407	75,210	1,449	0	6,065	**270,131**	890	37,698	2,607,130	244,661	20,823	**2,911,202**
N982	ZINC COMPOUNDS	27,001	1,730	18,245	1	11,081	**58,058**	3,650	10,182,475	524	54,054	1,039,736	**11,280,439**
7440-66-6	ZINC (FUME OR DUST)	1,663	10	0	0	0	**1,673**	228	3,785,348	0	0	23,004	**3,808,580**
	SUM:	**10,113,335**	**1,770,974**	**5,166,838**	**6**	**111,357**	**17,162,509**	**21,278,716**	**40,560,801**	**15,311,276**	**3,280,000**	**3,214,867**	**83,645,775**

Table 16. 2004 RPPR On-Site Management Data Reported by New Jersey Facilities (ordered alphabetically by substance name; data reported in pounds per year)

CAS #	SUBSTANCE NAME	Recycled & Reused on-site	Energy Recovered on-site	Destroyed on-site	On-Site Management
71-55-6	1,1,1-TRICHLOROETHANE	0	0	8,589	**8,589**
1717-00-6	1,1-DICHLORO-1-FLUOROETHANE (HCFC-141B)	0	0	413,773	**413,773**
95-63-6	1,2,4-TRIMETHYLBENZENE	11,066	92,722	574,154	**677,942**
95-50-1	1,2-DICHLOROBENZENE	0	0	4,573	**4,573**
107-06-2	1,2-DICHLOROETHANE	0	0	4	**4**
78-87-5	1,2-DICHLOROPROPANE	0	0	1,426	**1,426**
95-54-5	1,2-PHENYLENEDIAMINE	0	0	6,745	**6,745**
106-99-0	1,3-BUTADIENE	0	0	27	**27**
507-55-1	1,3-DICHLORO-1,1,2,23-PENTAFLUOROPROPANE	0	0	64,323	**64,323**
108-45-2	1,3-PHENYLENEDIAMINE	0	0	70,113	**70,113**
75-68-3	1-CHLORO-1,1-DIFLUOROETHANE [HCFC-142B]	0	0	108,693	**108,693**
306-83-2	2,2-DICHLORO-1,1,1-TRIFLUOROETHANE	0	0	890	**890**
95-95-4	2,4,5-TRICHLOROPHENOL	0	0	5,050	**5,050**
88-06-2	2,4,6-TRICHLOROPHENOL	0	0	1,836	**1,836**
51-28-5	2,4-DINITROPHENOL	0	0	5,006	**5,006**
422-56-0	3,3-DICHLORO-1,1,1,22-PENTAFLUOROPROPANE	0	0	64,323	**64,323**
55406-53-6	3-IODO-2-PROPYNYL BUTYLCARBAMATE	13,387	0	0	**13,387**
80-05-7	4,4-ISOPROPYLIDENEDIPHENOL	0	0	347	**347**
100-02-7	4-NITROPHENOL	0	0	349	**349**
75-07-0	ACETALDEHYDE	0	0	29,604	**29,604**
75-05-8	ACETONITRILE	0	74	218,196	**218,270**
79-06-1	ACRYLAMIDE	0	0	39,984	**39,984**
79-10-7	ACRYLIC ACID	0	0	27,934	**27,934**
107-18-6	ALLYL ALCOHOL	0	0	65,656	**65,656**
7429-90-5	ALUMINUM (FUME OR DUST)	46,720	0	88,923	**135,643**
7664-41-7	AMMONIA	0	12,650	5,143,794	**5,156,444**
62-53-3	ANILINE (AND SALTS)	0	0	165,209	**165,209**
7440-36-0	ANTIMONY	62	0	0	**62**
N010	ANTIMONY COMPOUNDS	10,981	0	0	**10,981**
N020	ARSENIC COMPOUNDS	29	0	0	**29**
1912-24-9	ATRAZINE	0	0	2,713	**2,713**
N040	BARIUM COMPOUNDS [EXCEPT BARIUM SULFATE]	80	0	0	**80**
98-87-3	BENZAL CHLORIDE	0	0	1,000	**1,000**
71-43-2	BENZENE	2,196	1,625	331,313	**335,134**
191-24-2	BENZO(G,H,I)PERYLENE	0	0	63	**63**
100-44-7	BENZYL CHLORIDE	0	0	2,130	**2,130**
141-32-2	BUTYL ACRYLATE	0	0	537	**537**
56-23-5	CARBON TETRACHLORIDE	0	0	1,360	**1,360**
120-80-9	CATECHOL	0	0	12	**12**
57-74-9	CHLORDANE	0	0	12	**12**
7782-50-5	CHLORINE	0	0	392,313	**392,313**
108-90-7	CHLOROBENZENE	0	0	15,405	**15,405**
75-45-6	CHLORODIFLUOROMETHANE [HCFC-22]	1,519	0	143,617	**145,136**
75-00-3	CHLOROETHANE	0	0	239,115	**239,115**
67-66-3	CHLOROFORM	0	0	3,849	**3,849**
74-87-3	CHLOROMETHANE	0	0	28,289	**28,289**
7440-47-3	CHROMIUM	175,740	0	0	**175,740**

Table 16. 2004 RPPR On-Site Management Data Reported by New Jersey Facilities (continued) (ordered alphabetically by substance name; data reported in pounds per year)

CAS #	SUBSTANCE NAME	Recycled & Reused on-site	Energy Recovered on-site	Destroyed on-site	On-Site Management
N090	CHROMIUM COMPOUNDS	474,991	0	0	**474,991**
7440-48-4	COBALT	203,556	0	0	**203,556**
N096	COBALT COMPOUNDS	86	0	0	**86**
7440-50-8	COPPER	13,980,134	0	0	**13,980,134**
1319-77-3	CRESOL (MIXED ISOMERS)	0	0	130,607	**130,607**
98-82-8	CUMENE	0	0	14,846	**14,846**
21725-46-2	CYANAZINE	0	0	11,380	**11,380**
N106	CYANIDE COMPOUNDS	0	0	1,503	**1,503**
110-82-7	CYCLOHEXANE	3,262	0	95,865	**99,127**
1163-19-5	DECABROMODIPHENYL OXIDE	7,808	0	0	**7,808**
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]	14,500	0	421	**14,921**
25321-22-6	DICHLOROBENZENE (MIXED ISOMERS)	0	0	5,128	**5,128**
75-43-4	DICHLOROFLUOROMETHANE [HCFC-21]	0	0	8,903	**8,903**
75-09-2	DICHLOROMETHANE	0	733	82,412	**83,145**
111-42-2	DIETHANOLAMINE	0	0	35,489	**35,489**
N120	DIISOCYANATES	0	0	28	**28**
124-40-3	DIMETHYLAMINE	0	0	41,231	**41,231**
131-11-3	DIMETHYL PHTHALATE	0	0	19,662	**19,662**
77-78-1	DIMETHYL SULFATE	0	0	3	**3**
140-88-5	ETHYL ACRYLATE	0	0	11,357	**11,357**
100-41-4	ETHYLBENZENE	16,210	1,622	200,758	**218,590**
74-85-1	ETHYLENE	404,758	0	3,082,035	**3,486,793**
107-21-1	ETHYLENE GLYCOL	20,266	0	431,301	**451,567**
75-21-8	ETHYLENE OXIDE	0	0	142,100	**142,100**
50-00-0	FORMALDEHYDE	0	0	97,969	**97,969**
64-18-6	FORMIC ACID	0	0	13,822	**13,822**
N230	GLYCOL ETHERS (EXCEPT SURFACTANTS)	5,033	0	1,466,082	**1,471,115**
76-44-8	HEPTACHLOR	0	0	2	**2**
118-74-1	HEXACHLOROBENZENE	0	0	389	**389**
302-01-2	HYDRAZINE	0	0	6,769	**6,769**
7647-01-0	HYDROCHLORIC ACID	0	0	59,549,029	**59,549,029**
74-90-8	HYDROGEN CYANIDE [HYDROCYANIC ACID]	0	0	19,155	**19,155**
7664-39-3	HYDROGEN FLUORIDE	0	0	3,169,600	**3,169,600**
123-31-9	HYDROQUINONE	0	0	20,882	**20,882**
78-84-2	ISOBUTYRALDEHYDE	9,553	0	15,386	**24,939**
7439-92-1	LEAD	59,090	0	0	**59,090**
N420	LEAD COMPOUNDS	1,666,079	0	0	**1,666,079**
554-13-2	LITHIUM CARBONATE	420	0	0	**420**
108-31-6	MALEIC ANHYDRIDE	9,910	0	512,122	**522,032**
7439-96-5	MANGANESE	252,438	0	0	**252,438**
N450	MANGANESE COMPOUNDS	4,748,084	0	0	**4,748,084**
99-65-0	M-DINITROBENZENE	0	0	294,934	**294,934**
67-56-1	METHANOL	283,428	413,614	2,938,354	**3,635,396**
96-33-3	METHYL ACRYLATE	0	0	322	**322**
108-10-1	METHYL ISOBUTYL KETONE	16,565	71,827	986,014	**1,074,406**
80-62-6	METHYL METHACRYLATE	0	0	1,562	**1,562**
1634-04-4	METHYL TERT-BUTYL ETHER	15,692	15,159	689,704	**720,555**

Table 16. 2004 RPPR On-Site Management Data Reported by New Jersey Facilities (continued) (ordered alphabetically by substance name; data reported in pounds per year)

CAS #	SUBSTANCE NAME	Recycled & Reused on-site	Energy Recovered on-site	Destroyed on-site	On-Site Management
1313-27-5	MOLYBDENUM TRIOXIDE	4,096	0	0	**4,096**
91-20-3	NAPHTHALENE	1,152	0	214,975	**216,127**
71-36-3	N-BUTYL ALCOHOL	1,342	1,401	755,159	**757,902**
110-54-3	N-HEXANE	14,424	92,722	191,703	**298,849**
7440-02-0	NICKEL	1,648,649	0	0	**1,648,649**
N495	NICKEL COMPOUNDS	23,760	0	0	**23,760**
1929-82-4	NITRAPYRIN	0	0	14,979	**14,979**
N511	NITRATE COMPOUNDS (WATER DISSOCIABLE)	0	0	3,190,107	**3,190,107**
7697-37-2	NITRIC ACID	0	0	6,144,536	**6,144,536**
98-95-3	NITROBENZENE	0	0	51,411	**51,411**
872-50-4	N-METHYL-2-PYRROLIDONE	39,362	0	281,093	**320,455**
68-12-2	N,N-DIMETHYLFORMAMIDE	0	0	268,255	**268,255**
528-29-0	O-DINITROBENZENE	0	0	101	**101**
100-25-4	P-DINITROBENZENE	0	0	31	**31**
57-33-0	PENTOBARBITAL SODIUM	2,586	0	79	**2,665**
108-95-2	PHENOL	0	0	1,267,625	**1,267,625**
75-44-5	PHOSGENE	0	0	140,491	**140,491**
85-44-9	PHTHALIC ANHYDRIDE	9,910	0	22,991	**32,901**
88-89-1	PICRIC ACID	0	0	325,519	**325,519**
N583	POLYCHLORINATED ALKANES	1,056	0	0	**1,056**
N590	POLYCYCLIC AROMATIC COMPOUNDS	36	0	3,167	**3,203**
106-50-3	P-PHENYLENEDIAMINE	0	0	1,517	**1,517**
75-55-8	PROPYLENEIMINE	0	0	762	**762**
75-56-9	PROPYLENE OXIDE	0	11,129	35,226	**46,355**
115-07-1	PROPYLENE [PROPENE]	0	0	3,669,306	**3,669,306**
110-86-1	PYRIDINE	0	0	54,698	**54,698**
78-92-2	SEC-BUTYL ALCOHOL	916	0	27,665	**28,581**
N740	SILVER COMPOUNDS	55,492	0	0	**55,492**
7632-00-0	SODIUM NITRITE	0	0	18,511	**18,511**
100-42-5	STYRENE	0	1,700	3,868	**5,568**
7664-93-9	SULFURIC ACID	0	0	2,689,508	**2,689,508**
75-65-0	TERT-BUTYL ALCOHOL	0	0	899,485	**899,485**
961-11-5	TETRACHLORVINPHOS	2,388	0	0	**2,388**
7550-45-0	TITANIUM TETRACHLORIDE	0	0	1,169,594	**1,169,594**
108-88-3	TOLUENE	927,335	705,204	4,016,719	**5,649,258**
26471-62-5	TOLUENE DIISOCYANATE (MIXED ISOMERS)	0	0	1,194	**1,194**
79-01-6	TRICHLOROETHYLENE	0	0	5	**5**
121-44-8	TRIETHYLAMINE	0	0	26,256	**26,256**
51-79-6	URETHANE	0	0	21,589	**21,589**
108-05-4	VINYL ACETATE	0	0	90,591	**90,591**
75-01-4	VINYL CHLORIDE	0	0	916,349	**916,349**
75-35-4	VINYLIDENE CHLORIDE	0	0	16	**16**
1330-20-7	XYLENE (MIXED ISOMERS)	651,985	123,022	1,729,489	**2,504,496**
N982	ZINC COMPOUNDS	36,935,520	0	0	**36,935,520**
	SUM:	**62,773,651**	**1,545,204**	**110,612,945**	**174,931,800**

Table 17. 2004 RPPR On-Site Releases and Off-Site Transfers Data Reported by New Jersey Facilities (ordered alphabetically by county; data reported in pounds per year)

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	45,719	15,285	0	0	0	**61,004**	11	94,278	0	111	17	**94,417**	ATLANTIC
BERGEN	108,921	14,959	2	0	0	**123,882**	304,843	1,329,621	670,628	103,522	46,447	**2,455,062**	BERGEN
BURLINGTON	228,675	21,086	58,548	0	0	**308,310**	19,427	2,995,851	358,487	149,758	548,046	**4,071,570**	BURLINGTON
CAMDEN	41,555	22,392	26	0	0	**63,973**	79	29,382	498,051	28,257	6,563	**562,333**	CAMDEN
CAPE MAY	530,351	2	810	0	0	**531,163**	0	0	0	0	11,951	**11,951**	CAPE MAY
CUMBERLAND	285,338	335,240	25	0	0	**620,602**	0	404	14,481	0	10,304	**25,189**	CUMBERLAND
ESSEX	78,882	69,659	15	0	0	**148,556**	1,127,187	966,268	3,206,659	72,831	90,609	**5,463,553**	ESSEX
GLOUCESTER	800,099	307,235	246,843	0	0	**1,354,177**	9,892	332,164	1,910,295	527,120	218,212	**2,997,683**	GLOUCESTER
HUDSON	3,639,622	26,713	10,562	0	0	**3,676,897**	138,823	686,052	26,668	82,670	304,772	**1,238,985**	HUDSON
HUNTERDON	3,290	1,027	13	3	0	**4,333**	360	218,102	2,200	4,643	18,559	**243,864**	HUNTERDON
MERCER	2,210,530	9,792	2,600	0	0	**2,222,922**	2	183,715	379,204	1	2,058	**564,980**	MERCER
MIDDLESEX	692,952	220,752	18,970	0	8,259	**940,933**	18,113,582	24,698,516	2,371,206	389,755	620,374	**46,193,433**	MIDDLESEX
MONMOUTH	3,873	1,166	0	0	0	**5,039**	47,196	719,887	0	450	3,498	**771,031**	MONMOUTH
MORRIS	31,593	22,968	2	0	0	**54,563**	73,827	1,321,093	59,694	6,235	265,317	**1,726,166**	MORRIS
OCEAN	5,405	151	0	0	0	**5,556**	239	0	46,579	12,598	13,795	**73,211**	OCEAN
PASSAIC	24,336	11,655	0	0	0	**35,991**	453,520	1,625,204	112,793	20,542	76,198	**2,288,256**	PASSAIC
SALEM	748,740	348,179	2,835,790	0	80,859	**4,013,567**	285	1,370,385	2,235,261	1,163,662	671,083	**5,440,676**	SALEM
SOMERSET	20,286	13,374	5	0	22,239	**55,904**	72,345	226,540	195,343	6,715	28,012	**528,973**	SOMERSET
SUSSEX	11,110	17,973	0	0	0	**29,083**	0	7,276	0	387	0	**7,663**	SUSSEX
UNION	526,635	286,190	1,726,045	0	0	**2,538,870**	859,322	3,028,858	2,543,499	469,387	181,599	**7,082,664**	UNION
WARREN	75,424	25,174	266,583	3	0	**367,184**	57,775	727,206	680,227	241,356	97,453	**1,804,114**	WARREN
SUM:	**10,113,335**	**1,770,974**	**5,166,838**	**6**	**111,357**	**17,162,509**	**21,278,716**	**40,560,801**	**15,311,276**	**3,280,000**	**3,214,867**	**83,645,775**	

Table 18. 2004 RPPR On-Site Releases and Off-Site Transfers Data Reported by New Jersey Facilities (ordered numerically by SIC Code; data reported in pounds per year)

SIC CODE	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	SIC CODE
20	67,411	61,657	0	0	0	**129,068**		630,862	326,415	1,234	18,086	1,205	**977,802**	**20**
22	42,215	4,917	0	0	0	**47,132**		16,781	44,152	162,845	4,500	9,882	**238,160**	**22**
23	4	4	0	0	0	**8**		0	0	0	0	97	**97**	**23**
24	176	274	0	0	0	**450**		1,614	0	22,893	0	0	**24,507**	**24**
25	2,793	11,171	0	0	0	**13,964**		0	0	0	124	0	**124**	**25**
26	170,497	108,081	1	0	0	**278,579**		247,628	30	1,075,382	12,561	229,636	**1,565,237**	**26**
27	37,770	6,583	0	0	0	**44,353**		0	136,174	26,820	832	39,316	**203,142**	**27**
28	662,950	708,909	3,155,491	0	80,859	**4,608,209**		9,924,223	3,306,643	12,540,396	2,437,350	1,496,634	**29,705,245**	**28**
29	739,798	270,069	1,938,221	0	8,259	**2,956,347**		7,059	67,478	5,473	30,256	67,148	**177,414**	**29**
30	287,306	43,681	58,523	3	0	**389,513**		115,977	167,022	59,748	6,039	24,850	**373,635**	**30**
31	38	3,635	0	0	0	**3,673**		11,474	0	0	0	31,147	**42,621**	**31**
32	1,248	20,382	0	0	22,239	**43,869**		23,716	182,450	0	20	33,965	**240,152**	**32**
33	84,636	50,360	115	3	0	**135,114**		9,818,465	19,133,629	417,158	512,676	737,266	**30,619,291**	**33**
34	170,208	63,767	13	0	0	**233,988**		414,587	2,315,126	551,883	74,520	55,264	**3,411,380**	**34**
35	18,789	9,115	0	0	0	**27,904**		41,673	267,220	47,339	0	35,842	**392,074**	**35**
36	19,123	1,180	3	0	0	**20,307**		40	12,636,472	32,216	890	3,386	**12,673,003**	**36**
37	282,689	14,718	0	0	0	**297,407**		18,618	710,001	48,389	13,559	3,965	**794,532**	**37**
38	7,942	1,314	0	0	0	**9,256**		4,077	908,240	139,285	13,592	4,192	**1,069,386**	**38**
39	11,906	541	0	0	0	**12,447**		291	94,282	0	3,800	4,828	**103,201**	**39**
49	7,304,548	8,767	13,988	0	0	**7,327,303**		1,388	225,159	7,097	63,664	431,437	**728,745**	**49**
51	201,289	381,847	483	0	0	**583,619**		243	40,309	173,117	87,532	4,808	**306,026**	**51**
SUM:	**10,113,335**	**1,770,974**	**5,166,838**	**6**	**111,357**	**17,162,509**		**21,278,716**	**40,560,801**	**15,311,276**	**3,280,000**	**3,214,867**	**83,645,775**	

Table 19. 2004 RPPR –Nonproduct Output (pounds per year)

Top 10 Substances for Nonproduct Output

CAS Number	SUBSTANCE NAME	NPO (pounds)	Percentage
7647-01-0	HYDROCHLORIC ACID	65,838,776	23.71 %
7440-66-6 & N982	ZINC & COMPOUNDS	52,061,845	18.75 %
67-56-1	METHANOL	19,620,998	7.07 %
7440-50-8 & N100	COPPER & COMPOUNDS	19,373,169	6.98 %
7439-92-1 & N420	LEAD & COMPOUNDS	16,769,814	6.04 %
N511	NITRATE COMPOUNDS (WATER DISSOCIABLE)	16,684,790	6.01 %
108-88-3	TOLUENE	8,575,125	3.09 %
7439-96-5 & N450	MANGANESE & COMPOUNDS	6,989,160	2.52 %
7664-41-7	AMMONIA	6,357,182	2.29 %
7697-37-2	NITRIC ACID	6,132,631	2.21 %
	Sum of Top 10:	**218,403,490**	**78.67 %**
	Sum Other:	**59,230,941**	**21.33 %**
	Sum All:	**277,634,431**	**100.00 %**

Top 10 Facilities for Nonproduct Output

FACILITY NAME (CITY)	COUNTY	NPO (pounds)	Percentage
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	52,305,823	18.84 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	50,735,499	18.27 %
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	11,758,520	4.24 %
FERRO CORP (SOUTH PLAINFIELD)	MIDDLESEX	10,780,014	3.88 %
INFINEUM USA (LINDEN)	UNION	9,697,195	3.49 %
AMROD CORP (NEWARK)	ESSEX	8,644,902	3.11 %
AGC CHEMICALS AMERICAS, INC (BAYONNE)	HUDSON	7,420,945	2.67 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	7,292,028	2.63 %
ACUPOWDER INTERNATIONAL L L C (UNION)	UNION	6,060,638	2.18 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	5,926,801	2.13 %
	Sum of Top 10:	**170,622,365**	**61.46 %**
	Sum Other:	**107,012,065**	**38.54 %**
	Sum All:	**277,634,431**	**100.00 %**

Top 10 Substance Records for Nonproduct Output

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	NPO (pounds)
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	ZINC & COMPOUNDS	42,811,520
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	HYDROCHLORIC ACID	30,354,155
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	LEAD & COMPOUNDS	11,669,271
AMROD CORP (NEWARK)	ESSEX	COPPER & COMPOUNDS	8,644,902
FERRO CORP (SOUTH PLAINFIELD)	MIDDLESEX	METHANOL	8,190,588
AGC CHEMICALS AMERICAS, INC (BAYONNE)	HUDSON	HYDROCHLORIC ACID	6,464,668
ACUPOWDER INTERNATIONAL L L C (UNION)	UNION	COPPER & COMPOUNDS	6,060,508
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	NITRATE COMPOUNDS (WATER DISSOCIABLE)	5,493,305
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	MANGANESE & COMPOUNDS	5,398,179
FERRO CORP. (LOGAN TWP)	GLOUCESTER	HYDROCHLORIC ACID	3,906,239

Table 20. 2004 RPPR – Total On-Site Releases (pounds per year)

Top 10 Substances for Total On-Site Releases

CAS Number	SUBSTANCE NAME	On-Site Releases (pounds)	Percentage
7647-01-0	HYDROCHLORIC ACID	6,239,701	36.36 %
N511	NITRATE COMPOUNDS (WATER DISSOCIABLE)	4,654,991	27.12 %
7664-41-7	AMMONIA	1,012,906	5.90 %
7664-93-9	SULFURIC ACID	857,377	5.00 %
75-45-6	CHLORODIFLUOROMETHANE [HCFC-22]	471,672	2.75 %
108-88-3	TOLUENE	447,332	2.61 %
7664-39-3	HYDROGEN FLUORIDE	285,920	1.67 %
76-15-3	MONOCHLOROPENTAFLUOROETHANE [CFC-115]	274,535	1.60 %
1330-20-7	XYLENE (MIXED ISOMERS)	270,131	1.57 %
1634-04-4	METHYL TERT-BUTYL ETHER	248,262	1.45 %
	Sum of Top 10:	**14,762,827**	**86.02 %**
	Sum Other:	**2,399,682**	**13.98 %**
	Sum All:	**17,162,509**	**100.00 %**

Top 10 Facilities for Total On-Site Releases

FACILITY NAME (CITY)	COUNTY	On-Site Releases (pounds)	Percentage
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	3,611,866	21.05 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	3,428,256	19.98 %
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	2,198,355	12.81 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	1,889,533	11.01 %
CONECTIV (BEESLEYS POINT)	CAPE MAY	531,163	3.09 %
CONECTIV - DEEPWATER CT (PENNSVILLE)	SALEM	523,314	3.05 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TW	GLOUCESTER	445,680	2.60 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	431,277	2.51 %
NATIONAL REFRIGERANTS INC (ROSENHAYN)	CUMBERLAND	395,209	2.30 %
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	303,603	1.77 %
	Sum of Top 10:	**13,758,255**	**80.16 %**
	Sum Other:	**3,404,254**	**19.84 %**
	Sum All:	**17,162,509**	**100.00 %**

Top 10 Substance Records for Total On-Site Releases

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Releases (pounds)
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	HYDROCHLORIC ACID	3,267,474
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	NITRATE COMPOUNDS (WATER DISSOCIABLE)	2,502,677
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	HYDROCHLORIC ACID	1,959,656
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	NITRATE COMPOUNDS (WATER DISSOCIABLE)	1,700,000
CONECTIV - DEEPWATER CT (PENNSVILLE)	SALEM	HYDROCHLORIC ACID	499,652
CONECTIV (BEESLEYS POINT)	CAPE MAY	HYDROCHLORIC ACID	333,257
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	MONOCHLOROPENTAFLUOROETHANE [CFC-115]	274,283
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	NITRATE COMPOUNDS (WATER DISSOCIABLE)	236,476
COGEN TECHNOLOGIES LINDEN VENTURE, L.P (LINDEN CITY)	UNION	AMMONIA	232,380
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	SULFURIC ACID	193,247

Table 21. 2004 RPPR – Total Air Emissions (pounds per year)

Top 10 Substances for Total Air Emissions

CAS Number	SUBSTANCE NAME	Total Air Emission (pounds)	Percentage
7647-01-0	HYDROCHLORIC ACID	6,239,701	52.50 %
7664-93-9	SULFURIC ACID	857,377	7.21 %
7664-41-7	AMMONIA	790,553	6.65 %
75-45-6	CHLORODIFLUOROMETHANE [HCFC-22]	471,672	3.97 %
108-88-3	TOLUENE	444,977	3.74 %
7664-39-3	HYDROGEN FLUORIDE	285,920	2.41 %
76-15-3	MONOCHLOROPENTAFLUOROETHANE [CFC-115]	274,535	2.31 %
1330-20-7	XYLENE (MIXED ISOMERS)	262,617	2.21 %
100-42-5	STYRENE	241,120	2.03 %
1634-04-4	METHYL TERT-BUTYL ETHER	232,731	1.96 %
	Sum of Top 10:	**10,101,203**	**85.00 %**
	Sum Other:	**1,783,105**	**15.00 %**
	Sum All:	**11,884,308**	**100.00 %**

Top 10 Facilities for Total Air Emissions

FACILITY NAME	COUNTY	Total Air Emission (pounds)	Percentage
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	3,601,315	30.30 %
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	2,195,755	18.48 %
CONECTIV (BEESLEYS POINT)	CAPE MAY	530,353	4.46 %
CONECTIV - DEEPWATER CT (PENNSVILLE)	SALEM	523,314	4.40 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	511,635	4.31 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWI	GLOUCESTER	441,036	3.71 %
NATIONAL REFRIGERANTS INC (ROSENHAYN)	CUMBERLAND	395,209	3.33 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	239,696	2.02 %
COGEN TECHNOLOGIES LINDEN VENTURE, L.P (LINDEN CITY)	UNION	232,380	1.96 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	166,461	1.40 %
	Sum of Top 10:	**8,837,154**	**74.36 %**
	Sum Other:	**3,047,155**	**25.64 %**
	Sum All:	**11,884,308**	**100.00 %**

Top 10 Substance Records for Total Air Emissions

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Total Air Emissions (pounds)
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	HYDROCHLORIC ACID	3,267,474
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	HYDROCHLORIC ACID	1,959,656
CONECTIV - DEEPWATER CT (PENNSVILLE)	SALEM	HYDROCHLORIC ACID	499,652
CONECTIV (BEESLEYS POINT)	CAPE MAY	HYDROCHLORIC ACID	333,257
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	MONOCHLOROPENTAFLUOROETHANE [CFC-115]	274,283
COGEN TECHNOLOGIES LINDEN VENTURE, L.P (LINDEN CITY)	UNION	AMMONIA	232,380
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	SULFURIC ACID	193,247
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	SULFURIC ACID	182,127
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	SULFURIC ACID	153,598
SGPPL-MICKLETON (MICKLETON)	GLOUCESTER	AMMONIA	149,752

Table 22. 2004 RPPR – Stack Air Emissions (pounds per year)

Top 10 Substances for Stack Air Emissions

CAS Number	SUBSTANCE NAME	Stack Air Emissions (pounds	Percentage
7647-01-0	HYDROCHLORIC ACID	6,233,818	61.64 %
7664-93-9	SULFURIC ACID	856,398	8.47 %
7664-41-7	AMMONIA	675,453	6.68 %
7664-39-3	HYDROGEN FLUORIDE	285,047	2.82 %
108-88-3	TOLUENE	260,727	2.58 %
100-42-5	STYRENE	220,524	2.18 %
1634-04-4	METHYL TERT-BUTYL ETHER	197,353	1.95 %
1330-20-7	XYLENE (MIXED ISOMERS)	187,407	1.85 %
108-05-4	VINYL ACETATE	87,713	0.87 %
67-56-1	METHANOL	85,678	0.85 %
	Sum of Top 10:	**9,090,118**	**89.88 %**
	Sum Other:	**1,023,217**	**10.12 %**
	Sum All:	**10,113,335**	**100.00 %**

Top 10 Facilities for Stack Air Emissions

FACILITY NAME	COUNTY	Stack Air Emissions (pounds	Percentage
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	3,600,661	35.60 %
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	2,195,244	21.71 %
CONECTIV (BEESLEYS POINT)	CAPE MAY	530,351	5.24 %
CONECTIV - DEEPWATER CT (PENNSVILLE)	SALEM	523,314	5.17 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWI	GLOUCESTER	340,616	3.37 %
COGEN TECHNOLOGIES LINDEN VENTURE, L.P (LINDEN CITY)	UNION	229,256	2.27 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	195,399	1.93 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	168,658	1.67 %
SGPPL-MICKLETON (MICKLETON)	GLOUCESTER	149,752	1.48 %
VINELAND CITY (VINELAND)	CUMBERLAND	145,710	1.44 %
	Sum of Top 10:	**8,078,960**	**79.88 %**
	Sum Other:	**2,034,375**	**20.12 %**
	Sum All:	**10,113,335**	**100.00 %**

Top 10 Substance Records for Stack Air Emissions

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Stack Air Emissions (pounds)
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	HYDROCHLORIC ACID	3,267,474
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	HYDROCHLORIC ACID	1,959,656
CONECTIV - DEEPWATER CT (PENNSVILLE)	SALEM	HYDROCHLORIC ACID	499,652
CONECTIV (BEESLEYS POINT)	CAPE MAY	HYDROCHLORIC ACID	333,257
COGEN TECHNOLOGIES LINDEN VENTURE, L.P (LINDEN CITY)	UNION	AMMONIA	229,256
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	SULFURIC ACID	193,247
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	SULFURIC ACID	182,127
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	SULFURIC ACID	153,598
SGPPL-MICKLETON (MICKLETON)	GLOUCESTER	AMMONIA	149,752
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	HYDROGEN FLUORIDE	114,273

Table 23. 2004 RPPR – Fugitive Air Emissions (pounds per year)

Top 10 Substances for Fugitive Air Emissions

CAS Number	SUBSTANCE NAME	Fugitive Air Emissions (pounds	Percentage
75-45-6	CHLORODIFLUOROMETHANE [HCFC-22]	412,443	23.29 %
76-15-3	MONOCHLOROPENTAFLUOROETHANE [CFC-115]	274,496	15.50 %
108-88-3	TOLUENE	184,250	10.40 %
7664-41-7	AMMONIA	115,100	6.50 %
1330-20-7	XYLENE (MIXED ISOMERS)	75,210	4.25 %
115-07-1	PROPYLENE [PROPENE]	50,616	2.86 %
75-00-3	CHLOROETHANE	47,060	2.66 %
N230	GLYCOL ETHERS (EXCEPT SURFACTANTS)	44,481	2.51 %
75-09-2	DICHLOROMETHANE	42,506	2.40 %
110-54-3	N-HEXANE	40,453	2.28 %
	Sum of Top 10:	**1,286,615**	**72.65 %**
	Sum Other:	**484,359**	**27.35 %**
	Sum All:	**1,770,974**	**100.00 %**

Top 10 Facilities for Fugitive Air Emissions

FACILITY NAME	COUNTY	Fugitive Air Emissions (pounds	Percentage
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	342,977	19.37 %
NATIONAL REFRIGERANTS INC (ROSENHAYN)	CUMBERLAND	335,114	18.92 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	101,706	5.74 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	101,173	5.71 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWI	GLOUCESTER	100,420	5.67 %
PERMACEL A NITTO DENKO COMPANY (NORTH BRUNSWICK TWP)	MIDDLESEX	84,750	4.79 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	44,297	2.50 %
MERCK & CO INC (RAHWAY)	UNION	41,706	2.35 %
SCHERING CORPORATION (KENILWORTH)	UNION	38,953	2.20 %
SILGAN CONTAINER CORPORATION (EDISON)	MIDDLESEX	31,000	1.75 %
	Sum of Top 10:	**1,222,096**	**69.01 %**
	Sum Other:	**548,877**	**30.99 %**
	Sum All:	**1,770,974**	**100.00 %**

Top 10 Substance Records for Fugitive Air Emissions

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Fugitive Air Emissions (pounds)
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	MONOCHLOROPENTAFLUOROETHANE [CFC-115]	274,244
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	AMMONIA	51,652
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	PROPYLENE [PROPENE]	47,000
FERRO CORP. (LOGAN TWP)	GLOUCESTER	CHLOROETHANE	46,290
SILGAN CONTAINER CORPORATION (EDISON)	MIDDLESEX	GLYCOL ETHERS (EXCEPT SURFACTANTS)	31,000
MERCK & CO INC (RAHWAY)	UNION	CHLORODIFLUOROMETHANE [HCFC-22]	30,435
FERRO CORP. (LOGAN TWP)	GLOUCESTER	N-BUTYL ALCOHOL	25,008
SCHERING CORPORATION (KENILWORTH)	UNION	TRICHLOROFLUOROMETHANE [CFC-11]	24,924
PAPETTI'S HYGRADE EGG PRODUCTS, INC. (ELIZABETH)	UNION	CHLORODIFLUOROMETHANE [HCFC-22]	22,000
HERCULES INCORPORATED (PARLIN)	MIDDLESEX	TERT-BUTYL ALCOHOL	19,978

Table 24. 2004 RPPR – Surface Water Discharges (pounds per year)

Top 10 Substances for Surface Water Discharges

CAS Number	SUBSTANCE NAME	Surface Water Discharges (pounds)	Percentage
N511	NITRATE COMPOUNDS (WATER	4,629,151	89.59 %
7664-41-7	AMMONIA	222,002	4.30 %
528-29-0	O-DINITROBENZENE	102,329	1.98 %
7632-00-0	SODIUM NITRITE	49,741	0.96 %
100-25-4	P-DINITROBENZENE	28,100	0.54 %
7440-62-2 & N770	VANADIUM &	19,568	0.38 %
7440-66-6 & N982	ZINC & COMPOUNDS	18,245	0.35 %
120-80-9	CATECHOL	11,948	0.23 %
7440-50-8 & N100	COPPER & COMPOUNDS	11,744	0.23 %
7440-02-0 & N495	NICKEL & COMPOUNDS	11,111	0.22 %
	Sum of Top 10:	**5,103,939**	**98.78 %**
	Sum Other:	**62,899**	**1.22 %**
	Sum All:	**5,166,838**	**100.00 %**

Top 10 Facilities for Surface Water Discharges

FACILITY NAME	COUNTY	Surface Water Discharges (pounds)	Percentage
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	2,835,762	54.88 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	1,723,072	33.35 %
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	243,818	4.72 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH	GLOUCESTER	191,581	3.71 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	58,484	1.13 %
REPAUNO PRODUCTS LLC (GREENWICH TWP)	GLOUCESTER	48,514	0.94 %
DSM NUTRITIONAL PRODUCTS INC (BELVIDERE)	WARREN	22,734	0.44 %
AMERADA HESS PORT READING CORPORATION (PORT	MIDDLESEX	18,919	0.37 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	10,551	0.20 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TW	GLOUCESTER	4,644	0.09 %
	Sum of Top 10:	**5,158,079**	**99.83 %**
	Sum Other:	**8,759**	**0.17 %**
	Sum All:	**5,166,838**	**100.00 %**

Top 10 Substance Records for Surface Water Discharges

FACILITY NAME	COUNTY	SUBSTANCE NAME	Surface Water Discharges (pounds)
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	NITRATE COMPOUNDS (WATER DISSOCIABLE)	2,497,184
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	NITRATE COMPOUNDS (WATER DISSOCIABLE)	1,700,000
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	NITRATE COMPOUNDS (WATER DISSOCIABLE)	236,476
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	AMMONIA	119,730
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	O-DINITROBENZENE	102,329
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	NITRATE COMPOUNDS (WATER DISSOCIABLE)	100,389
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	AMMONIA	83,244
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	NITRATE COMPOUNDS (WATER DISSOCIABLE)	57,392
REPAUNO PRODUCTS LLC (GREENWICH TWP)	GLOUCESTER	SODIUM NITRITE	40,215
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	P-DINITROBENZENE	28,100

Table 25. 2004 RPPR – On-Site Land Disposal (pounds per year)

Top 10 Substances for On-Site Land Disposal

CAS Number	SUBSTANCE NAME	On-Site Land Disposal (pounds)	Percentage
1912-24-9	ATRAZINE	13,380	12.02 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	11,985	10.76 %
110-54-3	N-HEXANE	11,278	10.13 %
7440-66-6 & N982	ZINC & COMPOUNDS	11,081	9.95 %
7440-02-0 & N495	NICKEL & COMPOUNDS	9,223	8.28 %
7439-96-5 & N450	MANGANESE & COMPOUNDS	7,783	6.99 %
108-95-2	PHENOL	7,524	6.76 %
1330-20-7	XYLENE (MIXED ISOMERS)	6,065	5.45 %
N511	NITRATE COMPOUNDS (WATER DISSOCIABLE)	5,493	4.93 %
1634-04-4	METHYL TERT-BUTYL ETHER	4,935	4.43 %
	Sum of Top 10:	**88,747**	**79.70 %**
	Sum Other:	**22,610**	**20.30 %**
	Sum All:	**111,357**	**100.00 %**

All Facilities for On-Site Land Disposal

FACILITY NAME (CITY)	COUNTY	On-Site Land Disposal (pounds)	Percentage
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	80,859	72.61 %
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	22,239	19.97 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	8,259	7.42 %
	Sum of Top 10:	**111,357**	**100.00 %**
	Sum Other:	**0**	**0.00 %**
	Sum All:	**111,357**	**100.00 %**

Top 10 Substance Records for On-Site Land Disposal

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Land Disposal (pounds)
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	ATRAZINE	13,380
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	N-HEXANE	11,278
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	CHROMIUM & COMPOUNDS	11,137
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	ZINC & COMPOUNDS	7,706
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	PHENOL	7,524
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	NICKEL & COMPOUNDS	7,402
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	MANGANESE & COMPOUNDS	6,517
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	XYLENE (MIXED ISOMERS)	6,065
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	NITRATE COMPOUNDS (WATER DISSOCIABLE)	5,493
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	METHYL TERT-BUTYL ETHER	4,935

Table 26. 2004 RPPR – Total Off-Site Transfers (pounds per year)

Top 10 Substances for Total Off-Site Transfers

CAS Number	SUBSTANCE NAME	Off-Site Transfers (pounds)	Percentage
67-56-1	METHANOL	15,835,902	18.93 %
7439-92-1 & N420	LEAD & COMPOUNDS	15,144,892	18.11 %
7440-66-6 & N982	ZINC & COMPOUNDS	15,089,019	18.04 %
N511	NITRATE COMPOUNDS (WATER DISSOCIABLE)	8,826,823	10.55 %
7440-50-8 & N100	COPPER & COMPOUNDS	3,484,174	4.17 %
107-21-1	ETHYLENE GLYCOL	3,100,945	3.71 %
1330-20-7	XYLENE (MIXED ISOMERS)	2,911,202	3.48 %
108-88-3	TOLUENE	2,413,419	2.89 %
7439-96-5 & N450	MANGANESE & COMPOUNDS	1,915,255	2.29 %
108-10-1	METHYL ISOBUTYL KETONE	1,711,169	2.05 %
	Sum of Top 10:	**70,432,800**	**84.20 %**
	Sum Other:	**13,212,975**	**15.80 %**
	Sum All:	**83,645,775**	**100.00 %**

Top 10 Facilities for Total Off-Site Transfers

FACILITY NAME (CITY)	COUNTY	Off-Site Transfers (pounds)	Percentage
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	11,701,609	13.99 %
FERRO CORP (SOUTH PLAINFIELD)	MIDDLESEX	10,043,548	12.01 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	7,468,087	8.93 %
HERCULES INCORPORATED (PARLIN)	MIDDLESEX	5,747,840	6.87 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	4,801,700	5.74 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	3,686,946	4.41 %
CHEM-FLEUR INC (NEWARK CITY)	ESSEX	2,940,440	3.52 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	2,722,827	3.26 %
MERCK & CO INC (RAHWAY)	UNION	2,467,972	2.95 %
GREENTREE CHEMICAL TECHNOLOGIES (SAYREVILLE)	MIDDLESEX	1,554,781	1.86 %
	Sum of Top 10:	**53,135,750**	**63.52 %**
	Sum Other:	**30,510,025**	**36.48 %**
	Sum All:	**83,645,775**	**100.00 %**

Top 10 Substance Records for Total Off-Site Transfers

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Transfers (pounds)
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	LEAD & COMPOUNDS	11,666,609
FERRO CORP (SOUTH PLAINFIELD)	MIDDLESEX	METHANOL	7,700,000
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	ZINC & COMPOUNDS	6,457,951
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	ZINC & COMPOUNDS	3,785,348
HERCULES INCORPORATED (PARLIN)	MIDDLESEX	NITRATE COMPOUNDS (WATER DISSOCIABLE)	3,577,490
CHEM-FLEUR INC (NEWARK CITY)	ESSEX	METHANOL	2,940,239
FERRO CORP (SOUTH PLAINFIELD)	MIDDLESEX	NITRATE COMPOUNDS (WATER DISSOCIABLE)	1,985,850
HERCULES INCORPORATED (PARLIN)	MIDDLESEX	ETHYLENE GLYCOL	1,835,590
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	ZINC & COMPOUNDS	1,723,853
GREENTREE CHEMICAL TECHNOLOGIES (SAYREVILLE)	MIDDLESEX	NITRATE COMPOUNDS (WATER DISSOCIABLE)	1,554,781

Table 27. 2004 RPPR – POTW Discharges (pounds per year)

Top 10 Substances for POTW Discharges

CAS Number	SUBSTANCE NAME	POTW Discharges (pounds)	Percentage
67-56-1	METHANOL	9,566,097	44.96 %
N511	NITRATE COMPOUNDS (WATER DISSOCIABLE)	8,734,135	41.05 %
107-21-1	ETHYLENE GLYCOL	2,059,543	9.68 %
N230	GLYCOL ETHERS (EXCEPT SURFACTANTS)	247,691	1.16 %
7664-41-7	AMMONIA	178,314	0.84 %
75-65-0	TERT-BUTYL ALCOHOL	144,177	0.68 %
7632-00-0	SODIUM NITRITE	121,487	0.57 %
75-09-2	DICHLOROMETHANE	59,349	0.28 %
106-89-8	EPICHLOROHYDRIN	48,642	0.23 %
95-63-6	1,2,4-TRIMETHYLBENZENE	17,677	0.08 %
	Sum of Top 10:	**21,177,112**	**99.52 %**
	Sum Other:	**101,604**	**0.48 %**
	Sum All:	**21,278,716**	**100.00 %**

Top 10 Facilities for POTW Discharges

FACILITY NAME (CITY)	COUNTY	POTW Discharges (pounds)	Percentage
FERRO CORP (SOUTH PLAINFIELD)	MIDDLESEX	9,686,807	45.52 %
HERCULES INCORPORATED (PARLIN)	MIDDLESEX	5,746,720	27.01 %
GREENTREE CHEMICAL TECHNOLOGIES (SAYREVILLE)	MIDDLESEX	1,554,781	7.31 %
TROY CHEMICAL CORP INC (NEWARK)	ESSEX	872,744	4.10 %
AKCROS CHEMICALS AMERICA (NEW BRUNSWICK)	MIDDLESEX	303,027	1.42 %
MERCK & CO INC (RAHWAY)	UNION	282,051	1.33 %
HUMMEL CROTON INC (SOUTH PLAINFIELD)	MIDDLESEX	253,506	1.19 %
TUSCAN/LEHIGH DAIRIES, INC. (UNION TWP)	UNION	249,083	1.17 %
SCHWEITZER MAUDUIT INTERNATIONAL INC (SPOTSWOOD)	MIDDLESEX	247,627	1.16 %
MONA INDUSTRIES, INC (PATERSON)	PASSAIC	236,067	1.11 %
	Sum of Top 10:	**19,432,413**	**91.32 %**
	Sum Other:	**1,846,303**	**8.68 %**
	Sum All:	**21,278,716**	**100.00 %**

Top 10 Substance Records for POTW Discharges

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	POTW Discharges (pounds)
FERRO CORP (SOUTH PLAINFIELD)	MIDDLESEX	METHANOL	7,700,000
HERCULES INCORPORATED (PARLIN)	MIDDLESEX	NITRATE COMPOUNDS (WATER DISSOCIABLE)	3,577,490
FERRO CORP (SOUTH PLAINFIELD)	MIDDLESEX	NITRATE COMPOUNDS (WATER DISSOCIABLE)	1,985,845
HERCULES INCORPORATED (PARLIN)	MIDDLESEX	ETHYLENE GLYCOL	1,835,590
GREENTREE CHEMICAL TECHNOLOGIES (SAYREVILLE)	MIDDLESEX	NITRATE COMPOUNDS (WATER DISSOCIABLE)	1,554,781
TROY CHEMICAL CORP INC (NEWARK)	ESSEX	METHANOL	861,718
AKCROS CHEMICALS AMERICA (NEW BRUNSWICK)	MIDDLESEX	NITRATE COMPOUNDS (WATER DISSOCIABLE)	290,090
TUSCAN/LEHIGH DAIRIES, INC. (UNION TWP)	UNION	NITRATE COMPOUNDS (WATER DISSOCIABLE)	249,083
HUMMEL CROTON INC (SOUTH PLAINFIELD)	MIDDLESEX	NITRATE COMPOUNDS (WATER DISSOCIABLE)	243,993
MONA INDUSTRIES, INC (PATERSON)	PASSAIC	METHANOL	235,778

Table 28. 2004 RPPR – Off-Site Recycling (pounds per year)

Top 10 Substances for Off-Site Recycling

CAS Number	SUBSTANCE NAME	Off-Site Recycling (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	14,601,195	36.00 %
7440-66-6 & N982	ZINC & COMPOUNDS	13,967,823	34.44 %
7440-50-8 & N100	COPPER & COMPOUNDS	3,364,435	8.29 %
7439-96-5 & N450	MANGANESE & COMPOUNDS	1,712,226	4.22 %
108-10-1	METHYL ISOBUTYL KETONE	1,256,447	3.10 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	907,933	2.24 %
107-21-1	ETHYLENE GLYCOL	872,455	2.15 %
7440-48-4 & N096	COBALT & COMPOUNDS	783,699	1.93 %
7440-02-0 & N495	NICKEL & COMPOUNDS	780,926	1.93 %
75-09-2	DICHLOROMETHANE	621,410	1.53 %
	Sum of Top 10:	**38,868,549**	**95.83 %**
	Sum Other:	**1,692,252**	**4.17 %**
	Sum All:	**40,560,801**	**100.00 %**

Top 10 Facilities for Off-Site Recycling

FACILITY NAME (CITY)	COUNTY	Off-Site Recycling (pounds)	Percentage
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	11,701,601	28.85 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	7,468,087	18.41 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	4,801,700	11.84 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	2,709,410	6.68 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	1,274,640	3.14 %
PHELPS DODGE SPECIALTY COPPER PRODUCTS (ELIZABETH)	UNION	942,263	2.32 %
MERCK & CO INC (RAHWAY)	UNION	831,381	2.05 %
THE OKONITE COMPANY, INC (PATERSON)	PASSAIC	798,371	1.97 %
HONEYWELL-PRESTONE PRODUCTS (FREEHOLD TWP)	MONMOUTH	701,970	1.73 %
NEW JERSEY GALVANIZING & TINNING WORKS (NEWARK)	ESSEX	685,427	1.69 %
	Sum of Top 10:	**31,914,850**	**78.68 %**
	Sum Other:	**8,645,951**	**21.32 %**
	Sum All:	**40,560,801**	**100.00 %**

Top 10 Substance Records for Off-Site Recycling

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Recycling (pounds)
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	LEAD & COMPOUNDS	11,666,601
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	ZINC & COMPOUNDS	6,457,951
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	ZINC & COMPOUNDS	3,785,348
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	ZINC & COMPOUNDS	1,723,285
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	METHYL ISOBUTYL KETONE	1,247,663
PHELPS DODGE SPECIALTY COPPER PRODUCTS (ELIZABETH)	UNION	COPPER & COMPOUNDS	942,263
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	LEAD & COMPOUNDS	763,449
THE OKONITE COMPANY, INC (PATERSON)	PASSAIC	COPPER & COMPOUNDS	725,736
NEW JERSEY GALVANIZING & TINNING WORKS (NEWARK)	ESSEX	ZINC & COMPOUNDS	677,669
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	MANGANESE & COMPOUNDS	676,321

Table 29. 2004 RPPR – Off-Site Energy Recovery (pounds per year)

Top 10 Substances for Off-Site Energy Recovery

CAS Number	SUBSTANCE NAME	Off-Site Energy Recovery (pounds)	Percentage
67-56-1	METHANOL	5,025,618	32.82 %
1330-20-7	XYLENE (MIXED ISOMERS)	2,607,130	17.03 %
108-88-3	TOLUENE	2,127,261	13.89 %
100-44-7	BENZYL CHLORIDE	921,051	6.02 %
100-41-4	ETHYLBENZENE	669,924	4.38 %
108-45-2	1,3-PHENYLENEDIAMINE	599,254	3.91 %
108-10-1	METHYL ISOBUTYL KETONE	404,610	2.64 %
98-87-3	BENZAL CHLORIDE	328,766	2.15 %
78-92-2	SEC-BUTYL ALCOHOL	321,090	2.10 %
N230	GLYCOL ETHERS (EXCEPT SURFACTANTS)	255,701	1.67 %
	Sum of Top 10:	**13,260,405**	**86.61 %**
	Sum Other:	**2,050,871**	**13.39 %**
	Sum All:	**15,311,276**	**100.00 %**

Top 10 Facilities for Off-Site Energy Recovery

FACILITY NAME (CITY)	COUNTY	Off-Site Energy Recovery (pounds)	Percentage
CHEM-FLEUR INC (NEWARK CITY)	ESSEX	2,826,120	18.46 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	1,486,859	9.71 %
SIEGFRIED(USA), INC. (PENNSVILLE)	SALEM	1,466,959	9.58 %
MERCK & CO INC (RAHWAY)	UNION	1,353,528	8.84 %
MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	889,134	5.81 %
PERMACEL A NITTO DENKO COMPANY (NORTH BRUNSWICK TWP)	MIDDLESEX	865,573	5.65 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	768,302	5.02 %
INTERNATIONAL PAINT, LLC (UNION)	UNION	452,551	2.96 %
COOK COMPOSITES AND POLYMERS COMPANY (PENNSAUKEN)	CAMDEN	420,664	2.75 %
BASF CORPORATION (BELVIDERE)	WARREN	415,489	2.71 %
	Sum of Top 10:	**10,945,179**	**71.48 %**
	Sum Other:	**4,366,097**	**28.52 %**
	Sum All:	**15,311,276**	**100.00 %**

Top 10 Substance Records for Off-Site Energy Recovery

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Energy Recovery (pounds)
CHEM-FLEUR INC (NEWARK CITY)	ESSEX	METHANOL	2,825,919
FERRO CORP. (LOGAN TWP)	GLOUCESTER	BENZYL CHLORIDE	921,051
PERMACEL A NITTO DENKO COMPANY (NORTH BRUNSWICK TWP)	MIDDLESEX	TOLUENE	853,527
MERCK & CO INC (RAHWAY)	UNION	METHANOL	737,079
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	1,3-PHENYLENEDIAMINE	599,254
SIEGFRIED(USA), INC. (PENNSVILLE)	SALEM	XYLENE (MIXED ISOMERS)	590,298
MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	XYLENE (MIXED ISOMERS)	483,090
SIEGFRIED(USA), INC. (PENNSVILLE)	SALEM	METHANOL	377,178
INTERNATIONAL PAINT, LLC (UNION)	UNION	XYLENE (MIXED ISOMERS)	343,032
MERCK & CO INC (RAHWAY)	UNION	TOLUENE	330,114

Table 30. 2004 RPPR – Off-Site Treatment (pounds per year)

Top 10 Substances for Off-Site Treatment

CAS Number	SUBSTANCE NAME	Off-Site Treatment (pounds)	Percentage
67-56-1	METHANOL	663,103	20.22 %
75-65-0	TERT-BUTYL ALCOHOL	256,819	7.83 %
1330-20-7	XYLENE (MIXED ISOMERS)	244,661	7.46 %
78-92-2	SEC-BUTYL ALCOHOL	200,500	6.11 %
75-69-4	TRICHLOROFLUOROMETHANE [CFC-11]	184,590	5.63 %
108-88-3	TOLUENE	140,613	4.29 %
71-36-3	N-BUTYL ALCOHOL	124,931	3.81 %
78-87-5	1,2-DICHLOROPROPANE	115,646	3.53 %
91-20-3	NAPHTHALENE	115,574	3.52 %
110-82-7	CYCLOHEXANE	109,363	3.33 %
	Sum of Top 10:	**2,155,800**	**65.73 %**
	Sum Other:	**1,124,200**	**34.27 %**
	Sum All:	**3,280,000**	**100.00 %**

Top 10 Facilities for Off-Site Treatment

FACILITY NAME (CITY)	COUNTY	Off-Site Treatment (pounds)	Percentage
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	1,027,847	31.34 %
JOHNSON MATTHEY INC (WEST DEPTFORD TWP)	GLOUCESTER	493,406	15.04 %
SCHERING CORPORATION (KENILWORTH)	UNION	229,791	7.01 %
INFINEUM USA (LINDEN)	UNION	200,080	6.10 %
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	129,878	3.96 %
MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	121,967	3.72 %
SYBRON CHEMICALS INC NEW (BIRMINGHAM)	BURLINGTON	117,928	3.60 %
DUPONT PERFORMANCE ELASTOMERS L.L.C. (PENNSVILLE)	SALEM	77,501	2.36 %
MADISON INDUSTRIES INC (OLD BRIDGE TWP)	MIDDLESEX	74,650	2.28 %
PRIDE SOLVENTS & CHEMICAL CO. OF NJ INC. (AVENEL)	MIDDLESEX	70,673	2.15 %
	Sum of Top 10:	**2,543,721**	**77.55 %**
	Sum Other:	**736,279**	**22.45 %**
	Sum All:	**3,280,000**	**100.00 %**

Top 10 Substance Records for Off-Site Treatment

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Treatment (pounds)
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	METHANOL	360,947
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	TERT-BUTYL ALCOHOL	251,868
JOHNSON MATTHEY INC (WEST DEPTFORD TWP)	GLOUCESTER	METHANOL	243,936
INFINEUM USA (LINDEN)	UNION	SEC-BUTYL ALCOHOL	200,070
SCHERING CORPORATION (KENILWORTH)	UNION	TRICHLOROFLUOROMETHANE [CFC-11]	184,590
SYBRON CHEMICALS INC NEW (BIRMINGHAM)	BURLINGTON	1,2-DICHLOROPROPANE	115,646
MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	NAPHTHALENE	113,969
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	CYCLOHEXANE	108,682
JOHNSON MATTHEY INC (WEST DEPTFORD TWP)	GLOUCESTER	XYLENE (MIXED ISOMERS)	103,740
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	SULFURIC ACID	103,655

Table 31. 2004 RPPR – Off-Site Disposal (pounds per year)

Top 10 Substances for Off-Site Disposal

CAS Number	SUBSTANCE NAME	Off-Site Disposal (pounds)	Percentage
7440-66-6 & N982	ZINC & COMPOUNDS	1,062,740	33.06 %
99-65-0	M-DINITROBENZENE	524,650	16.32 %
7439-92-1 & N420	LEAD & COMPOUNDS	450,944	14.03 %
7439-96-5 & N450	MANGANESE & COMPOUNDS	190,520	5.93 %
7440-36-0 & N010	ANTIMONY & COMPOUNDS	149,279	4.64 %
7440-39-3 & N040	BARIUM & COMPOUNDS	123,228	3.83 %
7440-50-8 & N100	COPPER & COMPOUNDS	115,841	3.60 %
1163-19-5	DECABROMODIPHENYL OXIDE	90,471	2.81 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	80,166	2.49 %
55406-53-6	3-IODO-2-PROPYNYL BUTYLCARBAMATE	52,620	1.64 %
	Sum of Top 10:	**2,840,459**	**88.35 %**
	Sum Other:	**374,408**	**11.65 %**
	Sum All:	**3,214,867**	**100.00 %**

Top 10 Facilities for Off-Site Disposal

FACILITY NAME (CITY)	COUNTY	Off-Site Disposal (pounds)	Percentage
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	616,157	19.17 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	509,359	15.84 %
MADISON INDUSTRIES INC (OLD BRIDGE TWP)	MIDDLESEX	506,500	15.75 %
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	302,265	9.40 %
LAMTEC CORPORATION (MOUNT OLIVE TWP)	MORRIS	141,297	4.40 %
SHIELDALLOY METALLURGICAL CORP (NEWFIELD)	GLOUCESTER	99,887	3.11 %
INTERNATIONAL PAINT, LLC (UNION)	UNION	84,274	2.62 %
OLD BRIDGE CHEMICALS INC (OLD BRIDGE TWP)	MIDDLESEX	62,950	1.96 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	52,840	1.64 %
TROY CHEMICAL CORP INC (NEWARK)	ESSEX	52,636	1.64 %
	Sum of Top 10:	**2,428,165**	**75.53 %**
	Sum Other:	**786,702**	**24.47 %**
	Sum All:	**3,214,867**	**100.00 %**

Top 10 Substance Records for Off-Site Disposal

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Disposal (pounds)
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	M-DINITROBENZENE	524,650
MADISON INDUSTRIES INC (OLD BRIDGE TWP)	MIDDLESEX	ZINC & COMPOUNDS	506,500
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	LEAD & COMPOUNDS	286,867
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	ZINC & COMPOUNDS	286,249
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	MANGANESE & COMPOUNDS	104,397
LAMTEC CORPORATION (MOUNT OLIVE TWP)	MORRIS	ANTIMONY & COMPOUNDS	76,951
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	BARIUM & COMPOUNDS	71,642
LAMTEC CORPORATION (MOUNT OLIVE TWP)	MORRIS	DECABROMODIPHENYL OXIDE	61,663
INTERNATIONAL PAINT, LLC (UNION)	UNION	COPPER & COMPOUNDS	60,813
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	ZINC & COMPOUNDS	56,313

Table 32. 2004 RPPR – On-Site Management (pounds per year)

Top 10 Substances for On-Site Management

CAS Number	SUBSTANCE NAME	On-Site Management (pounds)	Percentage
7647-01-0	HYDROCHLORIC ACID	59,549,029	34.04 %
7440-66-6 & N982	ZINC & COMPOUNDS	36,935,520	21.11 %
7440-50-8 & N100	COPPER & COMPOUNDS	13,980,134	7.99 %
7697-37-2	NITRIC ACID	6,144,536	3.51 %
108-88-3	TOLUENE	5,655,809	3.23 %
7664-41-7	AMMONIA	5,156,444	2.95 %
7439-96-5 & N450	MANGANESE & COMPOUNDS	5,000,522	2.86 %
115-07-1	PROPYLENE [PROPENE]	3,669,306	2.10 %
67-56-1	METHANOL	3,635,396	2.08 %
74-85-1	ETHYLENE	3,486,793	1.99 %
	Sum of Top 10:	**143,213,489**	**81.85 %**
	Sum Other:	**31,749,187**	**18.15 %**
	Sum All:	**174,962,676**	**100.00 %**

Top 10 Facilities for On-Site Management

FACILITY NAME (CITY)	COUNTY	On-Site Management (pounds)	Percentage
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	45,362,774	25.93 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	43,259,514	24.72 %
INFINEUM USA (LINDEN)	UNION	9,001,607	5.14 %
AMROD CORP (NEWARK)	ESSEX	8,640,881	4.94 %
AGC CHEMICALS AMERICAS, INC (BAYONNE)	HUDSON	7,254,744	4.15 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	5,348,070	3.06 %
ACUPOWDER INTERNATIONAL L L C (UNION)	UNION	4,514,841	2.58 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	4,323,362	2.47 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TW	GLOUCESTER	3,397,148	1.94 %
AKZO NOBEL POLYMER CHEMICALS LLC (EDISON)	MIDDLESEX	2,914,384	1.67 %
	Sum of Top 10:	**134,017,325**	**76.60 %**
	Sum Other:	**40,945,351**	**23.40 %**
	Sum All:	**174,962,676**	**100.00 %**

Top 10 Substance Records for On-Site Management

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Management (pounds)
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	ZINC & COMPOUNDS	36,347,431
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	HYDROCHLORIC ACID	30,350,273
AMROD CORP (NEWARK)	ESSEX	COPPER & COMPOUNDS	8,640,881
INFINEUM USA (LINDEN)	UNION	HYDROCHLORIC ACID	8,157,301
AGC CHEMICALS AMERICAS, INC (BAYONNE)	HUDSON	HYDROCHLORIC ACID	6,463,542
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	MANGANESE & COMPOUNDS	4,748,084
ACUPOWDER INTERNATIONAL L L C (UNION)	UNION	COPPER & COMPOUNDS	4,514,779
FERRO CORP. (LOGAN TWP)	GLOUCESTER	HYDROCHLORIC ACID	3,905,829
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	PROPYLENE [PROPENE]	3,200,000
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	NITRIC ACID	3,155,079

Table 33. 2004 RPPR – On-Site Recycling (pounds per year)

Top 10 Substances for On-Site Recycling

CAS Number	SUBSTANCE NAME	On-Site Recycling (pounds)	Percentage
7440-66-6 & N982	ZINC & COMPOUNDS	36,935,520	58.84 %
7440-50-8 & N100	COPPER & COMPOUNDS	13,980,134	22.27 %
7439-96-5 & N450	MANGANESE & COMPOUNDS	5,000,522	7.97 %
7439-92-1 & N420	LEAD & COMPOUNDS	1,725,169	2.75 %
7440-02-0 & N495	NICKEL & COMPOUNDS	1,672,409	2.66 %
108-88-3	TOLUENE	927,335	1.48 %
1330-20-7	XYLENE (MIXED ISOMERS)	651,985	1.04 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	650,731	1.04 %
74-85-1	ETHYLENE	404,758	0.64 %
67-56-1	METHANOL	283,428	0.45 %
	Sum of Top 10:	**62,231,991**	**99.14 %**
	Sum Other:	**541,661**	**0.86 %**
	Sum All:	**62,773,651**	**100.00 %**

Top 10 Facilities for On-Site Recycling

FACILITY NAME (CITY)	COUNTY	On-Site Recycling (pounds)	Percentage
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	43,259,514	68.91 %
AMROD CORP (NEWARK)	ESSEX	8,640,881	13.77 %
ACUPOWDER INTERNATIONAL L L C (UNION)	UNION	4,514,841	7.19 %
PRECISION ROLLED PRODUCTS INC (EAST HANOVER TWP)	MORRIS	1,515,635	2.41 %
KEARNY SMELTING & REFINING CORP. (KEARNY)	HUDSON	1,480,646	2.36 %
PERMACEL A NITTO DENKO COMPANY (NORTH BRUNSWICK TWP)	MIDDLESEX	758,238	1.21 %
CARDOLITE CORPORATION (NEWARK)	ESSEX	600,000	0.96 %
AIR PRODUCTS POLYMERS, L.P. (SOUTH BRUNSWICK TWP)	MIDDLESEX	404,758	0.64 %
SHIELDALLOY METALLURGICAL CORP (NEWFIELD)	GLOUCESTER	362,336	0.58 %
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	337,721	0.54 %
	Sum of Top 10:	**61,874,570**	**98.57 %**
	Sum Other:	**899,081**	**1.43 %**
	Sum All:	**62,773,651**	**100.00 %**

Top 10 Substance Records for On-Site Recycling

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Recycling (pounds)
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	ZINC & COMPOUNDS	36,347,431
AMROD CORP (NEWARK)	ESSEX	COPPER & COMPOUNDS	8,640,881
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	MANGANESE & COMPOUNDS	4,748,084
ACUPOWDER INTERNATIONAL L L C (UNION)	UNION	COPPER & COMPOUNDS	4,514,779
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	1,665,589
PRECISION ROLLED PRODUCTS INC (EAST HANOVER TWP)	MORRIS	NICKEL & COMPOUNDS	1,340,999
KEARNY SMELTING & REFINING CORP. (KEARNY)	HUDSON	COPPER & COMPOUNDS	820,580
PERMACEL A NITTO DENKO COMPANY (NORTH BRUNSWICK TWP)	MIDDLESEX	TOLUENE	758,238
CARDOLITE CORPORATION (NEWARK)	ESSEX	XYLENE (MIXED ISOMERS)	600,000
KEARNY SMELTING & REFINING CORP. (KEARNY)	HUDSON	ZINC & COMPOUNDS	586,956

Table 34. 2004 RPPR – On-Site Energy Recovery (pounds per year)

Top 10 Substances for On-Site Energy Recovery

CAS Number	SUBSTANCE NAME	On-Site Energy Recovery (pounds)	Percentage
108-88-3	TOLUENE	705,204	45.64 %
67-56-1	METHANOL	413,614	26.77 %
1330-20-7	XYLENE (MIXED ISOMERS)	123,022	7.96 %
110-54-3	N-HEXANE	92,722	6.00 %
95-63-6	1,2,4-TRIMETHYLBENZENE	92,722	6.00 %
108-10-1	METHYL ISOBUTYL KETONE	71,827	4.65 %
1634-04-4	METHYL TERT-BUTYL ETHER	15,159	0.98 %
7664-41-7	AMMONIA	12,650	0.82 %
75-56-9	PROPYLENE OXIDE	11,129	0.72 %
100-42-5	STYRENE	1,700	0.11 %
	Sum of Top 10:	**1,539,749**	**99.65 %**
	Sum Other:	**5,455**	**0.35 %**
	Sum All:	**1,545,204**	**100.00 %**

Top 10 Facilities for On-Site Energy Recovery

FACILITY NAME (CITY)	COUNTY	On-Site Energy Recovery (pounds)	Percentage
MERCK & CO INC (RAHWAY)	UNION	447,152	28.94 %
CUSTOM LAMINATIONS INC (PATERSON)	PASSAIC	329,157	21.30 %
API FOILS INC (RAHWAY)	UNION	254,355	16.46 %
ANHEUSER BUSCH INC (NEWARK)	ESSEX	185,444	12.00 %
PERMACEL A NITTO DENKO COMPANY (NORTH BRUNSWICK TWP)	MIDDLESEX	151,292	9.79 %
C W C INDUSTRIES, INC. (NEWARK)	ESSEX	98,612	6.38 %
WEBTECH INC (ROBINSVILLE)	MERCER	39,190	2.54 %
CITGO ASPHALT REFINING CO. (WEST DEPTFORD TWP)	GLOUCESTER	25,652	1.66 %
ELECTRO CERAMIC INDUSTRIES -CORP- (HACKENSACK)	BERGEN	12,650	0.82 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	1,700	0.11 %
	Sum of Top 10:	**1,545,204**	**100.00 %**
	Sum Other:	**0**	**0.00 %**
	Sum All:	**1,545,204**	**100.00 %**

Top 10 Substance Records for On-Site Energy Recovery

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Energy Recovery (pounds)
MERCK & CO INC (RAHWAY)	UNION	METHANOL	383,993
CUSTOM LAMINATIONS INC (PATERSON)	PASSAIC	TOLUENE	329,157
API FOILS INC (RAHWAY)	UNION	TOLUENE	112,486
PERMACEL A NITTO DENKO COMPANY (NORTH BRUNSWICK TWP)	MIDDLESEX	TOLUENE	100,719
ANHEUSER BUSCH INC (NEWARK)	ESSEX	1,2,4-TRIMETHYLBENZENE	92,722
ANHEUSER BUSCH INC (NEWARK)	ESSEX	N-HEXANE	92,722
C W C INDUSTRIES, INC. (NEWARK)	ESSEX	TOLUENE	79,040
API FOILS INC (RAHWAY)	UNION	XYLENE (MIXED ISOMERS)	77,733
MERCK & CO INC (RAHWAY)	UNION	TOLUENE	62,352
API FOILS INC (RAHWAY)	UNION	METHYL ISOBUTYL KETONE	54,087

Table 35. 2004 RPPR – On-Site Treatment (pounds per year)

Top 10 Substances for On-Site Treatment

CAS Number	SUBSTANCE NAME	Destroyed On-Site (pounds)	Percentage
7647-01-0	HYDROCHLORIC ACID	59,549,029	53.82 %
7697-37-2	NITRIC ACID	6,144,536	5.55 %
7664-41-7	AMMONIA	5,143,794	4.65 %
108-88-3	TOLUENE	4,023,270	3.64 %
115-07-1	PROPYLENE [PROPENE]	3,669,306	3.32 %
N511	NITRATE COMPOUNDS (WATER DISSOCIABLE)	3,203,067	2.89 %
7664-39-3	HYDROGEN FLUORIDE	3,169,600	2.86 %
74-85-1	ETHYLENE	3,082,035	2.79 %
67-56-1	METHANOL	2,938,354	2.66 %
7664-93-9	SULFURIC ACID	2,689,508	2.43 %
	Sum of Top 10:	**93,612,499**	**84.61 %**
	Sum Other:	**17,031,322**	**15.39 %**
	Sum All:	**110,643,821**	**100.00 %**

Top 10 Facilities for On-Site Treatment

FACILITY NAME (CITY)	COUNTY	Destroyed On-Site (pounds)	Percentage
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	45,362,774	41.00 %
INFINEUM USA (LINDEN)	UNION	9,001,607	8.14 %
AGC CHEMICALS AMERICAS, INC (BAYONNE)	HUDSON	7,254,744	6.56 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	5,348,070	4.83 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	4,323,362	3.91 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	3,397,148	3.07 %
AKZO NOBEL POLYMER CHEMICALS LLC (EDISON)	MIDDLESEX	2,914,384	2.63 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	2,670,641	2.41 %
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	2,176,645	1.97 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	2,028,568	1.83 %
	Sum of Top 10:	**84,477,943**	**76.35 %**
	Sum Other:	**26,165,878**	**23.65 %**
	Sum All:	**110,643,821**	**100.00 %**

Top 10 Substance Records for On-Site Treatment

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Destroyed On-Site (pounds)
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	HYDROCHLORIC ACID	30,350,273
INFINEUM USA (LINDEN)	UNION	HYDROCHLORIC ACID	8,157,301
AGC CHEMICALS AMERICAS, INC (BAYONNE)	HUDSON	HYDROCHLORIC ACID	6,463,542
FERRO CORP. (LOGAN TWP)	GLOUCESTER	HYDROCHLORIC ACID	3,905,829
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	PROPYLENE [PROPENE]	3,200,000
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	NITRIC ACID	3,155,079
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	NITRATE COMPOUNDS (WATER DISSOCIABLE)	2,990,628
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	AMMONIA	2,355,908
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	METHANOL	2,103,100
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	HYDROCHLORIC ACID	2,020,201

B. Chemicals of Concern – Carcinogens

1. Throughput Data Summary for Carcinogens

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 permit limits for sources that emit such substances. NJ facilities reported 68 of these carcinogens on the RPPR for 2004. Appendix D lists the 68 cancer-causing chemicals that were reported.

A summary of all materials accounting data for the 68 reported carcinogens is presented in Table 36. As noted earlier, 313 of the 510 facilities submitted 676 reports for carcinogens. Use of carcinogenic substances exceeded 8.2 billion pounds in 2004. The reported quantity of use of carcinogenic substances presented in this report will vary depending on whether the trade secret claims submissions are included or excluded from analysis. Two facilities claimed throughput data trade secret for five of their substance records. The total quantity of carcinogen use reported was 8,216,811,329 pounds. The quantity of use excluding trade secret claims substances was 8,216,732,162 pounds.

Nearly 2 billion pounds of carcinogens were manufactured in 2004 and another 6.1 billion pounds were brought on site for processing and use. More than 1.5 billion pounds were consumed in processes and more than 6.6 billion pounds were shipped as (or in) products. The throughput details for each carcinogen are found in Table 7 (presented earlier). Table 37 presents a breakdown of carcinogen throughput by county and Table 38 presents the throughput by SIC Code.

Tables 39 through 43 each contain two sub-tables. Each table addresses various components of materials accounting throughput data. The top 20 carcinogens used in 2004 and the top 20 facilities for carcinogens used are presented in Table 39. It is quickly evident that the top 20 substances and facilities account for the vast majority (over 99% and 93%, respectively) of carcinogen substance use in each case. As with “all substances” presented earlier, a review of the facilities list shows that petroleum refining and marketing operations dominate substance use.

Table 40 presents the top 20 carcinogens manufactured in 2004 and the top 20 facilities for carcinogens manufactured. Again, a similar pattern to carcinogens use is identified here with petroleum refineries at the top of the list. Also chemical manufacturers and energy generating facilities appear in this group. These substances and facilities account for 100% of the category’s totals. (Minimal quantities appear outside the top 20.)

Table 41 presents the top 20 carcinogens brought on site in 2004 and the top 20 facilities for carcinogens brought on site. The trend continues with petroleum refineries and marketing operations at the top of the list. A variety of chemical manufacturers also appear in this group.

The top 20 carcinogens account for nearly all of the quantity brought on site (99.7%) while the top 20 facilities account for almost 93% of the quantity.

Table 42 presents the top 20 carcinogens consumed in processes in 2004 and the top 20 facilities for carcinogens consumed. The top 20 account for almost the entire quantity of carcinogens consumed. The top 20 facilities are predominantly chemical manufacturing operations with a few energy generating facilities included.

Table 43 presents the top 20 carcinogens shipped as (or in) product in 2004 and the top 20 facilities for carcinogens shipped as (or in) product. The top 20 substances account for almost the entire amount of carcinogens shipped in product. The top 20 facilities account for 98.2% of carcinogens shipped in product. The petroleum refining and marketing operations again dominate with some chemical manufacturing operations also appearing on the list.

Table 36. Materials Accounting Data for Carcinogens (in pounds)

	2004
Number of Facilities	313
Number of Substance Reports	676
Starting Inventory (SI)	381,137,150
Starting Inventory as NPO	391,130
Manufactured	1,997,600,860
Brought on Site	6,136,679,500
Brought on Site as Recycled	77,887,839
Consumed	1,516,204,515
Shipped	6,670,712,124
Ending Inventory (SI)	309,751,814
Ending Inventory as NPO	360,885
Nonproduct Output (NPO)	29,880,168
On-Site Releases	1,041,282
Stack Air Emissions	773,416
Fugitive Air Emissions	196,279
Surface Water Discharge	41,016
Ground Water Discharge	0
Land Disposal on-site	30,570
On-Site Management	7,517,453
Recycled & Reused on-site	4,302,821
Energy Recovered on-site	31,968
Destroyed on-site	3,182,664
EI (as NPO) -- SI (as NPO)	20981
Off-Site Transfers	21,342,414
POTW Discharge	148,466
Waste Transfer - Recycling	17,782,493
Waste Transfer - Energy Recovery	2,212,353
Waste Transfer - Treatment	592,129
Waste Transfer - Disposal	606,974
Total Substance USE or Throughput	8,216,811,329

Table 37. 2004 RPPR Throughput Data for Carcinogens Reported by New Jersey Facilities
(ordered alphabetically by county; throughput reported in pounds per year)

			INPUTS				OUTPUTS				
COUNTY	# of Facilities	# of Reports	Starting Inventory	Manufactured	Brought on Site	Recycled & Reused on-site	Consumed	Shipped as (or in) Product	Ending Inventory	Nonproduct Output	USE
ATLANTIC	6	6	26,988	0	430,038	0	367,408	306	26,304	61,134	**428,847**
BERGEN	35	54	1,982,697	0	39,368,259	22,816	7,996,579	30,804,088	1,367,997	1,229,142	**40,029,809**
BURLINGTON	21	44	3,031,074	355,545	106,754,462	275	98,614,226	7,004,321	2,977,222	1,580,237	**107,198,784**
CAMDEN	13	24	6,283,632	40,323	238,341,672	6,621	2,652	243,535,081	1,034,364	101,439	**243,639,172**
CAPE MAY	1	7	77,001	80	183,028	0	127,088	48,661	80,540	3,833	**179,582**
CUMBERLAND	4	7	58,654	6	838,360	0	680,290	32,151	81,090	104,690	**817,130**
ESSEX	27	62	8,139,868	0	284,846,841	0	11,349,354	281,921,140	6,676,482	189,191	**293,459,685**
GLOUCESTER	17	63	78,794,031	698,991,413	1,673,223,942	59,515	349,454,484	2,044,209,986	55,777,996	1,948,523	**2,395,612,993**
HUDSON	16	32	1,643,073	228	17,539,768	76,510	841,411	17,343,679	515,994	435,636	**18,620,727**
HUNTERDON	7	13	92,769	30	728,153	2,612	402	597,007	105,143	121,260	**718,668**
MERCER	7	14	237,364	156	326,162	0	32,587	249,932	164,848	118,432	**400,952**
MIDDLESEX	60	129	129,316,783	296,085,736	1,846,594,401	2,190,852	331,844,754	1,800,793,463	115,300,554	16,435,848	**2,149,074,064**
MONMOUTH	5	5	358,058	0	5,778,951	14,500	0	5,789,745	341,666	19,547	**5,809,292**
MORRIS	20	33	2,822,441	0	16,209,935	1,926,689	3,531,293	11,498,745	2,787,268	3,101,440	**18,131,478**
OCEAN	1	1	2,175	0	48,041	0	11,373	26,371	2,000	8,608	**46,352**
PASSAIC	19	24	329,453	0	22,612,205	270	688,556	20,423,263	1,321,517	801,044	**21,912,863**
SALEM	10	52	11,666,947	37,904,079	567,570,363	65	603,064,195	89,989	12,427,484	1,158,286	**604,312,470**
SOMERSET	8	20	1,979,202	1,673	19,678,524	0	12,920,338	6,911,059	1,722,261	262,097	**20,093,494**
SUSSEX	1	1	44,754	0	38,079	0	0	0	52,944	30,879	**30,879**
UNION	23	61	130,626,886	964,221,581	1,203,523,452	2,097	4,873,160	2,197,469,344	103,459,781	1,822,338	**2,204,164,842**
WARREN	10	19	3,623,300	10	92,044,866	0	89,804,366	1,963,794	3,528,359	281,920	**92,050,080**
SUM:	**311**	**671**	**381,137,150**	**1,997,600,860**	**6,136,679,500**	**4,302,821**	**1,516,204,515**	**6,670,712,124**	**309,751,814**	**29,815,523**	**8,216,732,162**

Table 38. 2004 RPPR Throughput Data for Carcinogens Reported by New Jersey Facilities
(ordered numerically by SIC Code; throughput reported in pounds per year)

			INPUTS				OUTPUTS				
SIC CODE	**# of Facilities**	**# of Reports**	**Starting Inventory**	**Manufactured**	**Brought On Site**	**Recycled & Re-Used On Site**	**Consumed**	**Shipped as (or in) Products**	**Ending Inventory**	**NPO**	**USE**
20	**6**	**10**	10,941	10,490	129,860	0	108,048	67	11,012	30,956	**139,071**
22	**1**	**1**	11,088	0	152,095	0	0	0	12,219	150,964	**150,964**
24	**1**	**2**	613,943	0	4,063,077	0	0	4,396,528	280,492	24,926	**4,421,454**
26	**7**	**9**	22,837	23,315	142,866	1,064	52,635	56,244	4,502	78,261	**187,140**
27	**4**	**4**	60,380	0	144,444	22,275	0	29,222	62,498	141,529	**170,751**
28	**74**	**167**	20,751,530	105,343,103	887,660,457	8,944	954,176,469	34,875,969	20,017,349	4,188,254	**993,240,692**
29	**12**	**60**	205,397,310	1,889,640,488	2,074,961,660	10,356	328,822,818	3,684,239,066	165,416,178	1,049,060	**4,014,110,944**
30	**23**	**34**	4,090,125	0	221,249,285	16,800	187,392,425	32,837,365	3,367,120	1,120,269	**221,350,059**
31	**1**	**3**	19,412	0	142,646	0	11,423	110,904	5,836	33,056	**155,383**
32	**15**	**19**	121,325	1,673	429,154	332	63,514	297,167	118,962	96,695	**457,376**
33	**30**	**56**	4,209,970	250,241	35,349,192	3,884,528	552,970	31,125,392	5,214,615	6,591,852	**38,270,214**
34	**26**	**40**	392,199	0	2,500,894	541	0	1,606,070	469,388	827,959	**2,434,029**
35	**12**	**14**	126,025	0	1,370,629	275	181,535	1,157,630	79,466	79,926	**1,419,091**
36	**27**	**29**	51,053	0	88,547,605	0	0	75,892,120	670,094	12,349,056	**88,241,177**
37	**10**	**15**	2,562,601	128	9,943,438	337,721	988,104	8,031,426	2,572,907	1,249,013	**10,268,543**
38	**11**	**14**	104,742	0	1,826,359	24	153,864	601,683	94,531	1,083,659	**1,839,206**
39	**4**	**6**	10,409	0	99,057	3,465	14,081	80,532	11,044	10,001	**104,614**
49	**22**	**59**	4,580,296	28,604	45,221,139	0	43,680,221	457,126	5,520,866	385,739	**44,523,085**
51	**25**	**129**	138,000,964	2,302,817	2,762,745,644	16,497	6,408	2,794,917,614	105,822,736	324,347	**2,795,248,368**
SUM:	**311**	**671**	**381,137,150**	**1,997,600,860**	**6,136,679,500**	**4,302,821**	**1,516,204,515**	**6,670,712,124**	**309,751,814**	**29,815,523**	**8,216,732,162**

Table 39. 2004 RPPR – Carcinogens Used (pounds per year)

Top 20 Carcinogens Used in 2004

CAS Number	SUBSTANCE NAME	USE (pounds)	Percentage
1634-04-4	METHYL TERT-BUTYL ETHER	3,591,031,639	43.70 %
100-41-4	ETHYLBENZENE	1,402,738,490	17.07 %
71-43-2	BENZENE	1,122,278,051	13.66 %
91-20-3	NAPHTHALENE	659,934,288	8.03 %
75-01-4	VINYL CHLORIDE	561,188,913	6.83 %
100-42-5	STYRENE	236,628,486	2.88 %
7439-92-1 & N420	LEAD & COMPOUNDS	100,610,229	1.22 %
108-05-4	VINYL ACETATE	90,221,377	1.10 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	85,931,520	1.05 %
75-21-8	ETHYLENE OXIDE	72,858,400	0.89 %
100-44-7	BENZYL CHLORIDE	68,113,046	0.83 %
98-95-3	NITROBENZENE	37,677,395	0.46 %
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]	31,200,371	0.38 %
140-88-5	ETHYL ACRYLATE	29,752,892	0.36 %
75-56-9	PROPYLENE OXIDE	29,454,695	0.36 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	24,992,791	0.30 %
7440-02-0 & N495	NICKEL & COMPOUNDS	14,656,559	0.18 %
26471-62-5	TOLUENE DIISOCYANATE (MIXED ISOMERS)	10,078,375	0.12 %
106-99-0	1,3-BUTADIENE	8,605,620	0.10 %
50-00-0	FORMALDEHYDE	8,023,786	0.10 %
	Sum of Top 20:	**8,185,976,923**	**99.63 %**
	Sum Other:	**30,755,239**	**0.37 %**
	Sum All:	**8,216,732,162**	**100.00 %**

Top 20 Facilities for Carcinogens Used in 2004

FACILITY NAME (CITY)	COUNTY	USE (pounds)	Percentage
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	1,534,524,832	18.68 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	1,209,064,261	14.71 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	714,553,853	8.70 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	566,957,545	6.90 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	542,828,310	6.61 %
BP PRODUCTS NORTH AMERICA INC (CARTERET)	MIDDLESEX	410,499,657	5.00 %
CITGO PETROLEUM CORPORATION (LINDEN)	UNION	401,056,028	4.88 %
OXY VINYLS LP (PEDRICKTOWN)	SALEM	383,741,487	4.67 %
GULF OIL LIMITED PARTNERSHIP (THOROFARE)	GLOUCESTER	321,381,862	3.91 %
AMERADA HESS CORP (PENNSAUKEN)	CAMDEN	235,446,033	2.87 %
VALERO LOGISTICS OPERATIONS LP (PAULSBORO)	GLOUCESTER	233,566,323	2.84 %
GULF OIL LIMITED PARTNERSHIP (LINDEN)	UNION	224,347,510	2.73 %
MOTIVA ENTERPRISES LLC (NEWARK)	ESSEX	217,558,920	2.65 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	198,708,453	2.42 %
POLYONE CORPORATION (OLDMANS TWP)	SALEM	97,352,646	1.18 %
BASF CORPORATION -DEL- (WASHINGTON)	WARREN	89,727,554	1.09 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	83,662,425	1.02 %
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	72,812,236	0.89 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	67,993,894	0.83 %
AIR PRODUCTS POLYMERS, L.P. (SOUTH BRUNSWICK TWP)	MIDDLESEX	67,540,523	0.82 %
	Sum of Top 20:	**7,673,324,351.53**	**93.39 %**
	Sum Other:	**543,407,810.53**	**6.61 %**
	Sum All:	**8,216,732,162.06**	**100.00 %**

Table 40. 2004 RPPR – Carcinogens Manufactured (pounds per year)

Top 20 Carcinogens Manufactured in 2004

CAS Number	SUBSTANCE NAME	Manufactured On-Site (pounds)	Percentage
100-41-4	ETHYLBENZENE	884,825,043	44.29 %
71-43-2	BENZENE	484,812,783	24.27 %
91-20-3	NAPHTHALENE	294,010,165	14.72 %
1634-04-4	METHYL TERT-BUTYL ETHER	219,675,372	11.00 %
100-44-7	BENZYL CHLORIDE	67,281,234	3.37 %
98-95-3	NITROBENZENE	37,645,801	1.88 %
106-99-0	1,3-BUTADIENE	8,605,767	0.43 %
7439-92-1 & N420	LEAD & COMPOUNDS	189,325	0.01 %
62-53-3	ANILINE (AND SALTS)	169,222	0.01 %
75-55-8	PROPYLENEIMINE	79,586	0.00 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	71,851	0.00 %
101-90-6	DIGLYCIDYL RESORCINOL ETHER	66,041	0.00 %
74-87-3	CHLOROMETHANE	55,084	0.00 %
98-07-7	BENZOIC TRICHLORIDE	26,439	0.00 %
67-66-3	CHLOROFORM	23,315	0.00 %
75-07-0	ACETALDEHYDE	16,954	0.00 %
7440-02-0 & N495	NICKEL & COMPOUNDS	16,415	0.00 %
N020	ARSENIC COMPOUNDS	11,325	0.00 %
118-74-1	HEXACHLOROBENZENE	7,022	0.00 %
56-23-5	CARBON TETRACHLORIDE	6,200	0.00 %
	Sum of Top 20:	**1,997,594,944**	**100.00 %**
	Sum Other:	**5,915**	**0.00 %**
	Sum All:	**1,997,600,860**	**100.00 %**

Top 20 Facilities for Carcinogens Manufactured in 2004

FACILITY NAME (CITY)	COUNTY	Manufactured On-Site (pounds)	Percentage
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	964,201,578	48.27 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	428,767,991	21.46 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	293,779,355	14.71 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	202,891,530	10.16 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	67,307,673	3.37 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	37,882,771	1.90 %
SUNOCO PARTNERS M&T LP - PISCATAWAY (PISCATAWAY TWP)	MIDDLESEX	2,282,942	0.11 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	209,918	0.01 %
SYBRON CHEMICALS INC NEW (BIRMINGHAM)	BURLINGTON	79,586	0.00 %
CVC SPECIALTY CHEMICALS, INC. (MAPLE SHADE)	BURLINGTON	66,041	0.00 %
STATE METAL INDUSTRIES INC (CAMDEN)	CAMDEN	40,323	0.00 %
SCHWEITZER MAUDUIT INTERNATIONAL INC (SPOTSWOOD)	MIDDLESEX	23,315	0.00 %
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	21,280	0.00 %
CITGO PETROLEUM CORPORATION (LINDEN)	UNION	19,875	0.00 %
ADM COCOA (GLASSBORO)	GLOUCESTER	10,490	0.00 %
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	7,022	0.00 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	6,707	0.00 %
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	1,673	0.00 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	228	0.00 %
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	150	0.00 %
	Sum of Top 20:	**1,997,600,448**	**100.00 %**
	Sum Other:	**412**	**0.00 %**
	Sum All:	**1,997,600,860**	**100.00 %**

Table 41. 2004 RPPR – Carcinogens Brought On Site (pounds per year)

Top 20 Carcinogens Brought On Site in 2004

CAS Number	SUBSTANCE NAME	Brought On-Site (pounds)	Percentage
1634-04-4	METHYL TERT-BUTYL ETHER	3,312,647,177	53.98 %
71-43-2	BENZENE	634,684,377	10.34 %
75-01-4	VINYL CHLORIDE	561,839,899	9.16 %
100-41-4	ETHYLBENZENE	516,298,006	8.41 %
91-20-3	NAPHTHALENE	350,974,443	5.72 %
100-42-5	STYRENE	235,864,697	3.84 %
7439-92-1 & N420	LEAD & COMPOUNDS	99,243,900	1.62 %
108-05-4	VINYL ACETATE	89,768,007	1.46 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	86,126,483	1.40 %
75-21-8	ETHYLENE OXIDE	72,845,453	1.19 %
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]	30,976,134	0.50 %
140-88-5	ETHYL ACRYLATE	29,738,857	0.48 %
75-56-9	PROPYLENE OXIDE	29,399,058	0.48 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	24,898,514	0.41 %
7440-02-0 & N495	NICKEL & COMPOUNDS	13,155,079	0.21 %
26471-62-5	TOLUENE DIISOCYANATE (MIXED ISOMERS)	10,072,851	0.16 %
50-00-0	FORMALDEHYDE	7,961,522	0.13 %
75-09-2	DICHLOROMETHANE	7,618,918	0.12 %
8001-58-9	CREOSOTE	3,997,912	0.07 %
191-24-2	BENZO(G,H,I)PERYLENE	3,966,982	0.06 %
	Sum of Top 20:	**6,122,078,268**	**99.76 %**
	Sum Other:	**14,601,232**	**0.24 %**
	Sum All:	**6,136,679,500**	**100.00 %**

Top 20 Facilities for Carcinogens Brought On Site in 2004

FACILITY NAME (CITY)	COUNTY	Brought On-Site (pounds)	Percentage
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TW	GLOUCESTER	762,457,918	12.42 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	583,310,749	9.51 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	539,067,100	8.78 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	421,319,817	6.87 %
BP PRODUCTS NORTH AMERICA INC (CARTERET)	MIDDLESEX	410,491,574	6.69 %
CITGO PETROLEUM CORPORATION (LINDEN)	UNION	395,523,502	6.45 %
OXY VINYLS LP (PEDRICKTOWN)	SALEM	384,193,457	6.26 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	337,813,958	5.50 %
GULF OIL LIMITED PARTNERSHIP (THOROFARE)	GLOUCESTER	318,161,454	5.18 %
VALERO LOGISTICS OPERATIONS LP (PAULSBORO)	GLOUCESTER	233,835,236	3.81 %
AMERADA HESS CORP (PENNSAUKEN)	CAMDEN	230,207,596	3.75 %
GULF OIL LIMITED PARTNERSHIP (LINDEN)	UNION	224,585,980	3.66 %
MOTIVA ENTERPRISES LLC (NEWARK)	ESSEX	209,744,221	3.42 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	198,110,849	3.23 %
POLYONE CORPORATION (OLDMANS TWP)	SALEM	97,320,428	1.59 %
BASF CORPORATION -DEL- (WASHINGTON)	WARREN	89,623,453	1.46 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	83,837,918	1.37 %
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	72,812,236	1.19 %
AIR PRODUCTS POLYMERS, L.P. (SOUTH BRUNSWICK TWP)	MIDDLESEX	67,632,870	1.10 %
GETTY PETROLEUM MARKETING INC (NEWARK)	ESSEX	40,849,579	0.67 %
	Sum of Top 20:	**5,700,899,895**	**92.90 %**
	Sum Other:	**435,779,605**	**7.10 %**
	Sum All:	**6,136,679,500**	**100.00 %**

Table 42. 2004 RPPR – Carcinogens Consumed (pounds per year)

Top 20 Carcinogens Consumed in 2004

CAS Number	SUBSTANCE NAME	Consumed On-Site (pounds)	Percentage
75-01-4	VINYL CHLORIDE	560,233,496	36.95 %
71-43-2	BENZENE	315,043,108	20.78 %
100-42-5	STYRENE	221,480,886	14.61 %
108-05-4	VINYL ACETATE	89,637,673	5.91 %
75-21-8	ETHYLENE OXIDE	72,708,099	4.80 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	44,794,973	2.95 %
100-44-7	BENZYL CHLORIDE	42,046,707	2.77 %
98-95-3	NITROBENZENE	37,618,891	2.48 %
140-88-5	ETHYL ACRYLATE	29,598,742	1.95 %
75-56-9	PROPYLENE OXIDE	29,344,948	1.94 %
1634-04-4	METHYL TERT-BUTYL ETHER	23,262,362	1.53 %
91-20-3	NAPHTHALENE	10,840,528	0.71 %
26471-62-5	TOLUENE DIISOCYANATE (MIXED ISOMERS)	9,994,086	0.66 %
106-99-0	1,3-BUTADIENE	8,254,191	0.54 %
50-00-0	FORMALDEHYDE	7,590,322	0.50 %
100-41-4	ETHYLBENZENE	3,187,088	0.21 %
191-24-2	BENZO(G,H,I)PERYLENE	3,112,699	0.21 %
107-13-1	ACRYLONITRILE	2,831,537	0.19 %
106-89-8	EPICHLOROHYDRIN	2,336,547	0.15 %
79-06-1	ACRYLAMIDE	672,038	0.04 %
	Sum of Top 20:	**1,514,588,921**	**99.89 %**
	Sum Other:	**1,615,594**	**0.11 %**
	Sum All:	**1,516,204,515**	**100.00 %**

Top 20 Facilities for Carcinogens Consumed in 2004

FACILITY NAME (CITY)	COUNTY	Consumed On-Site (pounds)	Percentage
OXY VINYLS LP (PEDRICKTOWN)	SALEM	383,737,844	25.31 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	291,796,837	19.25 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	198,697,886	13.10 %
POLYONE CORPORATION (OLDMANS TWP)	SALEM	97,309,492	6.42 %
BASF CORPORATION -DEL- (WASHINGTON)	WARREN	89,623,503	5.91 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	82,564,069	5.45 %
AIR PRODUCTS POLYMERS, L.P. (SOUTH BRUNSWICK TWP)	MIDDLESEX	67,331,521	4.44 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	63,399,248	4.18 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	41,891,089	2.76 %
NOVEON, INC. (OLDMANS TWP)	SALEM	35,481,715	2.34 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	32,695,065	2.16 %
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	19,058,443	1.26 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	13,806,646	0.91 %
SYBRON CHEMICALS INC NEW (BIRMINGHAM)	BURLINGTON	11,942,322	0.79 %
HERCULES INCORPORATED (PARLIN)	MIDDLESEX	11,388,924	0.75 %
PSEG FOSSIL LLC (SEWAREN)	MIDDLESEX	10,545,567	0.70 %
MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	10,532,038	0.69 %
BENJAMIN MOORE & CO. (NEWARK)	ESSEX	9,680,703	0.64 %
UCAR EMULSION SYSTEMS (SOMERSET)	SOMERSET	8,556,267	0.56 %
FOAMEX (EAST RUTHERFORD)	BERGEN	5,127,677	0.34 %
	Sum of Top 20:	**1,485,166,856**	**97.95 %**
	Sum Other:	**31,037,659**	**2.05 %**
	Sum All:	**1,516,204,515**	**100.00 %**

Table 43. 2004 RPPR – Carcinogens Shipped as (or in) Product (pounds per year)

Top 20 Carcinogens Shipped as (or in) Product in 2004

CAS Number	SUBSTANCE NAME	Shipped as Product (pounds)	Percentage
1634-04-4	METHYL TERT-BUTYL ETHER	3,566,772,204	53.47 %
100-41-4	ETHYLBENZENE	1,398,584,296	20.97 %
71-43-2	BENZENE	806,841,153	12.10 %
91-20-3	NAPHTHALENE	648,520,800	9.72 %
7439-92-1 & N420	LEAD & COMPOUNDS	83,840,417	1.26 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	41,127,593	0.62 %
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]	31,166,369	0.47 %
100-44-7	BENZYL CHLORIDE	25,133,444	0.38 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	23,309,374	0.35 %
100-42-5	STYRENE	14,856,137	0.22 %
7440-02-0 & N495	NICKEL & COMPOUNDS	12,083,729	0.18 %
75-09-2	DICHLOROMETHANE	6,167,806	0.09 %
8001-58-9	CREOSOTE	4,326,913	0.06 %
7440-48-4 & N096	COBALT & COMPOUNDS	2,586,822	0.04 %
106-46-7	1,4-DICHLOROBENZENE	1,555,000	0.02 %
191-24-2	BENZO(G,H,I)PERYLENE	800,392	0.01 %
67-66-3	CHLOROFORM	524,611	0.01 %
79-01-6	TRICHLOROETHYLENE	403,696	0.01 %
108-05-4	VINYL ACETATE	376,969	0.01 %
106-99-0	1,3-BUTADIENE	346,940	0.01 %
	Sum of Top 20:	**6,669,324,665**	**99.98 %**
	Sum Other:	**1,387,459**	**0.02 %**
	Sum All:	**6,670,712,124**	**100.00 %**

Top 20 Facilities for Carcinogens Shipped as (or in) Product in 2004

FACILITY NAME (CITY)	COUNTY	Shipped as Product (pounds)	Percentage
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	1,530,004,300	22.94 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	916,690,408	13.74 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	681,791,089	10.22 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	566,771,633	8.50 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	542,667,900	8.14 %
BP PRODUCTS NORTH AMERICA INC (CARTERET)	MIDDLESEX	410,471,595	6.15 %
CITGO PETROLEUM CORPORATION (LINDEN)	UNION	401,036,153	6.01 %
GULF OIL LIMITED PARTNERSHIP (THOROFARE)	GLOUCESTER	321,379,198	4.82 %
AMERADA HESS CORP (PENNSAUKEN)	CAMDEN	235,438,795	3.53 %
VALERO LOGISTICS OPERATIONS LP (PAULSBORO)	GLOUCESTER	233,562,236	3.50 %
GULF OIL LIMITED PARTNERSHIP (LINDEN)	UNION	224,343,296	3.36 %
MOTIVA ENTERPRISES LLC (NEWARK)	ESSEX	217,544,324	3.26 %
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	61,142,965	0.92 %
AMERADA HESS CORP (PERTH AMBOY)	MIDDLESEX	52,233,985	0.78 %
GETTY PETROLEUM MARKETING INC (NEWARK)	ESSEX	41,147,531	0.62 %
ALLIED AVIATION SERVICE CO OF NJ INC (ELIZABETH)	UNION	39,313,105	0.59 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	25,150,320	0.38 %
COLORITE PLASTICS COMPANY (RIDGEFIELD)	BERGEN	20,695,409	0.31 %
AMERADA HESS (BAYONNE)	HUDSON	16,310,160	0.24 %
CHEVRON PRODUCTS COMPANY (PERTH AMBOY)	MIDDLESEX	12,326,681	0.18 %
	Sum of Top 20:	**6,550,021,083**	**98.19 %**
	Sum Other:	**120,691,042**	**1.81 %**
	Sum All:	**6,670,712,124**	**100.00 %**

2. Nonproduct Output Data Summary for Carcinogens

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. As presented in Table 36, 3.5% of the carcinogens were released to the environment from on-site sources, 25% of the NPO was managed on site, and the remainder, 71.5% were transferred off site for further waste management.

Carcinogens accounted for 6% of statewide releases in 2004 (1,040,202 pounds out of 17.2 million pounds). Most of the releases of carcinogens are emissions to the air. In 2004, air emissions accounted for 93.1% of the on-site releases of carcinogens. This reference to environmental releases does not include the quantities transferred to POTWs that can not be treated or other off-site transfers for disposal. Recycling was the predominant mode of waste management for off-site transfers for 17.8 million pounds (83.5%) of the total 21.3 million pounds transferred. As for on-site management of carcinogens, recycling was the preferred method for 57% of the total quantity while 42% was destroyed through on-site treatment.

On-site release, off-site transfer and on-site waste management data for carcinogens are included in Tables 15 and 16 covering all substances and, therefore, are not repeated in this section. However, the carcinogen data are a subset of the quantities reported in the county and SIC summaries as presented and summarized in Tables 17 and 18. Therefore, Table 44 summarizes the on-site releases and off-site transfers for carcinogens by county and Table 45 summarizes the on-site releases and off-site transfers for carcinogens by industry (SIC).

Table 46 presents the top 10 carcinogens generated as total NPO in 2004. The top 10 substances accounted for 92.1% of all NPO and amounted to 27,521,433 pounds. Lead and lead compounds had the highest reported quantities of NPO in the state, accounting for 56.1% of all carcinogens NPO. Five carcinogens (lead and compounds, methyl tert-butyl ether, ethylbenzene, vinyl chloride, and naphthalene) made the top 10 lists for both Use (Table 39) and NPO. The top 10 facilities accounted for more than 72.1% of all carcinogen NPO

Tables 47 through 58 presents the top 10 for total on-site releases, total air emissions, stack air emissions, fugitive air emissions, surface water discharges, on-site land disposal, total off-site transfers, discharges to POTWs, transfers for off-site recycling, transfers for off-site energy recovery, transfers for treatment, and transfers for disposal, respectively. Tables 59 and 60, present the top 10 for total on-site management and on-site recycling, respectively. Table 61 presents 6 substances, 4 facilities, and 6 individual substance records for on-site energy recovery. Table 62 presents the top 10 for destroyed through on-site treatment.

Table 44. 2004 RPPR On-Site Releases and Off-Site Transfers Data for Carcinogens Reported by New Jersey Facilities (ordered alphabetically by county; data reported in pounds per year)

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	45,719	15,273	0	0	0	**60,992**	11	0	0	111	17	**139**	ATLANTIC
BERGEN	14,365	2,028	1	0	0	**16,394**	3,172	955,512	180,128	2,422	7,292	**1,148,526**	BERGEN
BURLINGTON	184,694	10,976	77	0	0	**195,748**	9,366	235,811	26,533	130,974	58,310	**460,994**	BURLINGTON
CAMDEN	7,181	3,323	4	0	0	**10,508**	5	6,170	73,123	2,973	1,414	**83,686**	CAMDEN
CAPE MAY	2,190	2	249	0	0	**2,441**	0	0	0	0	1,392	**1,392**	CAPE MAY
CUMBERLAND	79,436	35	25	0	0	**79,495**	0	404	14,481	0	10,304	**25,189**	CUMBERLAND
ESSEX	11,984	18,228	3	0	0	**30,215**	49,520	32,910	31,977	510	31,274	**146,190**	ESSEX
GLOUCESTER	84,321	39,628	8,451	0	0	**132,400**	3,299	59,933	964,306	80,500	69,266	**1,177,304**	GLOUCESTER
HUDSON	6,560	4,660	3,026	0	0	**14,246**	7	124,708	9,118	16,568	302,497	**452,898**	HUDSON
HUNTERDON	102	31	7	0	0	**140**	0	108,861	0	0	9,467	**118,328**	HUNTERDON
MERCER	2,874	1,340	89	0	0	**4,303**	2	3,783	13,470	0	1,919	**19,174**	MERCER
MIDDLESEX	142,246	19,972	1,697	0	8,259	**172,174**	22,610	12,921,717	352,696	263,692	24,103	**13,584,819**	MIDDLESEX
MONMOUTH	1,880	0	0	0	0	**1,880**	1	716	0	450	2,000	**3,167**	MONMOUTH
MORRIS	6,736	9,546	2	0	0	**16,284**	32	1,109,852	29,894	0	6,433	**1,146,211**	MORRIS
OCEAN	176	10	0	0	0	**186**	0	0	8,516	544	0	**9,060**	OCEAN
PASSAIC	3,909	473	0	0	0	**4,382**	36	693,545	0	736	26,141	**720,457**	PASSAIC
SALEM	89,067	4,795	24,818	0	10,259	**128,939**	285	17,076	231,101	73,694	15,318	**337,474**	SALEM
SOMERSET	656	1,490	0	0	12,052	**14,198**	822	208,667	24,931	4,475	185	**239,081**	SOMERSET
SUSSEX	4,640	17,973	0	0	0	**22,613**	0	7,276	0	0	0	**7,276**	SUSSEX
UNION	62,465	39,956	1,739	0	0	**104,160**	59,297	1,240,443	179,814	5,439	32,533	**1,517,525**	UNION
WARREN	22,216	6,539	829	0	0	**29,584**	0	55,109	72,264	9,041	7,109	**143,523**	WARREN
SUM:	**773,416**	**196,279**	**41,016**	**0**	**30,570**	**1,041,282**	**148,466**	**17,782,493**	**2,212,353**	**592,129**	**606,974**	**21,342,414**	

Table 45. 2004 RPPR On-Site Releases and Off-Site Transfers Data for Carcinogens Reported by New Jersey Facilities (ordered numerically by SIC Code; data reported in pounds per year)

SIC CODE	Stack Air Emissions	Fugitive Air Emissions	Surface Water Discharge	Ground Water Discharge	Land Disposal on-site	On-Site Releases	POTW Discharges	Waste Transfer - Recycling	Waste Transfer - Energy Recovery	Waste Transfer - Treatment	Waste Transfer - Disposal	Off-Site Transfers	SIC CODE
20	1,417	0	0	0	0	1,417	422	19,887	0	0	0	20,309	20
22	3,774	0	0	0	0	3,774	31	15,492	131,667	0	0	147,190	22
24	145	274	0	0	0	419	1,614	0	22,893	0	0	24,507	24
26	9,114	163	1	0	0	9,278	16,997	30	4,889	544	2,766	25,226	26
27	30	0	0	0	0	30	0	112,629	0	445	0	113,074	27
28	151,684	28,957	25,944	0	10,259	216,844	111,072	616,161	1,903,353	466,394	48,192	3,145,173	28
29	134,802	53,452	11,279	0	8,259	207,793	3,085	22,970	976	9,920	15,911	52,863	29
30	105,966	10,873	52	0	0	116,891	10	26,326	19	1,037	4,156	31,547	30
31	38	0	0	0	0	38	2,340	0	0	0	30,678	33,018	31
32	674	20,236	0	0	12,052	32,962	277	2,518	0	20	33,505	36,321	32
33	10,932	5,157	19	0	0	16,108	5,889	2,609,774	20,867	83,746	93,255	2,813,532	33
34	21,990	40,270	7	0	0	62,267	2,064	381,175	31,472	925	17,288	432,924	34
35	8	0	0	0	0	8	63	18,991	29,894	0	30,693	79,641	35
36	5,106	19	3	0	0	5,128	30	12,340,674	0	741	1,063	12,342,508	36
37	214,241	11,776	0	0	0	226,017	18	652,767	18,511	13,134	42	684,472	37
38	1,971	1,027	0	0	0	2,998	4,019	908,240	11,085	1,265	484	925,093	38
39	4,261	7	0	0	0	4,268	291	0	0	0	1,832	2,123	39
49	6,082	940	3,383	0	0	10,405	0	33,017	7,096	8,248	324,774	373,136	49
51	101,182	23,127	328	0	0	124,637	243	21,842	29,630	5,710	2,334	59,759	51
Sum:	**773,416**	**196,279**	**41,016**	**0**	**30,570**	**1,041,282**	**148,466**	**17,782,493**	**2,212,353**	**592,129**	**606,974**	**21,342,414**	

Table 46. 2004 RPPR – Nonproduct Output for Carcinogens (pounds per year)

Top 10 Carcinogens for Nonproduct Output

CAS Number	SUBSTANCE NAME	NPO (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	16,769,814	56.12 %
7440-02-0 & N495	NICKEL & COMPOUNDS	2,572,830	8.61 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	1,683,417	5.63 %
75-09-2	DICHLOROMETHANE	1,060,192	3.55 %
7440-48-4 & N096	COBALT & COMPOUNDS	1,000,440	3.35 %
1634-04-4	METHYL TERT-BUTYL ETHER	997,073	3.34 %
100-41-4	ETHYLBENZENE	976,892	3.27 %
75-01-4	VINYL CHLORIDE	954,920	3.20 %
100-44-7	BENZYL CHLORIDE	932,895	3.12 %
91-20-3	NAPHTHALENE	572,960	1.92 %
	Sum of Top 10:	**27,521,433**	**92.11 %**
	Sum Other:	**2,358,736**	**7.89 %**
	Sum All:	**29,880,168**	**100.00 %**

Top 10 Facilities for Nonproduct Output of Carcinogens

FACILITY NAME (CITY)	COUNTY	NPO (pounds)	Percentage
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	11,669,271	39.05 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	2,525,729	8.45 %
PRECISION ROLLED PRODUCTS INC (EAST HANOVER TWP)	MORRIS	1,517,034	5.08 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	1,009,010	3.38 %
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	989,701	3.31 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	952,485	3.19 %
MERCK & CO INC (RAHWAY)	UNION	799,947	2.68 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	763,785	2.56 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	739,250	2.47 %
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	586,980	1.96 %
	Sum of Top 10:	**21,553,192**	**72.13 %**
	Sum Other:	**8,326,976**	**27.87 %**
	Sum All:	**29,880,168**	**100.00 %**

Top 10 Carcinogen Records for Nonproduct Output

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	NPO (pounds)
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	LEAD & COMPOUNDS	11,669,271
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	1,961,784
PRECISION ROLLED PRODUCTS INC (EAST HANOVER TWP)	MORRIS	NICKEL & COMPOUNDS	1,341,944
FERRO CORP. (LOGAN TWP)	GLOUCESTER	BENZYL CHLORIDE	930,754
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL CHLORIDE	919,060
MERCK & CO INC (RAHWAY)	UNION	DICHLOROMETHANE	799,945
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	LEAD & COMPOUNDS	763,785
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	NICKEL & COMPOUNDS	608,067
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	LEAD & COMPOUNDS	586,980
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	LEAD & COMPOUNDS	552,611

Table 47. 2004 RPPR – Total On-Site Releases for Carcinogens (pounds per year)

Top 10 Carcinogens for Total On-Site Releases

CAS Number	SUBSTANCE NAME	On-Site Releases (pounds)	Percentage
1634-04-4	METHYL TERT-BUTYL ETHER	248,262	23.84 %
100-42-5	STYRENE	241,140	23.16 %
75-09-2	DICHLOROMETHANE	89,432	8.59 %
108-05-4	VINYL ACETATE	88,595	8.51 %
71-43-2	BENZENE	51,662	4.96 %
74-87-3	CHLOROMETHANE	42,571	4.09 %
79-01-6	TRICHLOROETHYLENE	40,909	3.93 %
100-41-4	ETHYLBENZENE	40,597	3.90 %
75-01-4	VINYL CHLORIDE	38,440	3.69 %
7440-02-0 & N495	NICKEL & COMPOUNDS	24,949	2.40 %
	Sum of Top 10:	**906,557**	**87.06 %**
	Sum Other:	**134,725**	**12.94 %**
	Sum All:	**1,041,282**	**100.00 %**

Top 10 Facilities for Total On-Site Releases of Carcinogens

FACILITY NAME (CITY)	COUNTY	On-Site Releases (pounds)	Percentage
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	95,243	9.15 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	94,937	9.12 %
VIKING YACHT CO CORP (NEW GRETNA)	BURLINGTON	79,640	7.65 %
SILVERTON MARINE CORPORATION (MILLVILLE)	CUMBERLAND	79,425	7.63 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TW	GLOUCESTER	69,259	6.65 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	67,436	6.48 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	51,821	4.98 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	49,671	4.77 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	33,535	3.22 %
OCEAN YACHTS INC (MULLICA TWP)	ATLANTIC	29,737	2.86 %
	Sum of Top 10:	**650,703**	**62.49 %**
	Sum Other:	**390,579**	**37.51 %**
	Sum All:	**1,041,282**	**100.00 %**

Top 10 Carcinogen Records for Total On-Site Releases

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Releases (pounds)
VIKING YACHT CO CORP (NEW GRETNA)	BURLINGTON	STYRENE	79,640
SILVERTON MARINE CORPORATION (MILLVILLE)	CUMBERLAND	STYRENE	79,425
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL ACETATE	79,040
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	METHYL TERT-BUTYL ETHER	63,882
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	CHLOROMETHANE	42,571
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	METHYL TERT-BUTYL ETHER	38,348
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	36,185
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	35,870
OCEAN YACHTS INC (MULLICA TWP)	ATLANTIC	STYRENE	29,737
MERCK & CO INC (RAHWAY)	UNION	DICHLOROMETHANE	25,459

Table 48. 2004 RPPR – Total Air Emissions for Carcinogens (pounds per year)

Top 10 Carcinogens for Total Air Emissions

CAS Number	SUBSTANCE NAME	Total Air Emissions (pounds)	Percentage
100-42-5	STYRENE	241,120	24.87 %
1634-04-4	METHYL TERT-BUTYL ETHER	232,731	24.00 %
75-09-2	DICHLOROMETHANE	89,431	9.22 %
108-05-4	VINYL ACETATE	88,584	9.14 %
71-43-2	BENZENE	51,212	5.28 %
74-87-3	CHLOROMETHANE	42,460	4.38 %
79-01-6	TRICHLOROETHYLENE	40,909	4.22 %
100-41-4	ETHYLBENZENE	40,326	4.16 %
75-01-4	VINYL CHLORIDE	38,394	3.96 %
91-20-3	NAPHTHALENE	17,544	1.81 %
	Sum of Top 10:	**882,711**	**91.03 %**
	Sum Other:	**86,984**	**8.97 %**
	Sum All:	**969,695**	**100.00 %**

Top 10 Facilities for Total Air Emissions of Carcinogen

FACILITY NAME (CITY)	COUNTY	Total Air Emissions (pounds)	Percentage
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	94,918	9.79 %
VIKING YACHT CO CORP (NEW GRETNA)	BURLINGTON	79,640	8.21 %
SILVERTON MARINE CORPORATION (MILLVILLE)	CUMBERLAND	79,425	8.19 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	68,686	7.08 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	67,424	6.95 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	60,194	6.21 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	42,063	4.34 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	41,895	4.32 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	32,108	3.31 %
OCEAN YACHTS INC (MULLICA TWP)	ATLANTIC	29,737	3.07 %
	Sum of Top 10:	**596,089**	**61.47 %**
	Sum Other:	**373,606**	**38.53 %**
	Sum All:	**969,695**	**100.00 %**

Top 10 Carcinogen Records for Total Air Emissions

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Total Air Emissions (pounds)
VIKING YACHT CO CORP (NEW GRETNA)	BURLINGTON	STYRENE	79,640
SILVERTON MARINE CORPORATION (MILLVILLE)	CUMBERLAND	STYRENE	79,425
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL ACETATE	79,040
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	METHYL TERT-BUTYL ETHER	63,877
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	CHLOROMETHANE	42,460
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	METHYL TERT-BUTYL ETHER	37,165
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP	GLOUCESTER	METHYL TERT-BUTYL ETHER	35,312
OCEAN YACHTS INC (MULLICA TWP)	ATLANTIC	STYRENE	29,737
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	29,139
MERCK & CO INC (RAHWAY)	UNION	DICHLOROMETHANE	25,459

Table 49. 2004 RPPR – Stack Air Emissions for Carcinogens (pounds per year)

Top 10 Carcinogens for Stack Air Emissions

CAS Number	SUBSTANCE NAME	Stack Air Emissions (pounds)	Percentage
100-42-5	STYRENE	220,524	28.51 %
1634-04-4	METHYL TERT-BUTYL ETHER	197,353	25.52 %
108-05-4	VINYL ACETATE	87,713	11.34 %
75-09-2	DICHLOROMETHANE	46,925	6.07 %
74-87-3	CHLOROMETHANE	42,460	5.49 %
100-41-4	ETHYLBENZENE	28,009	3.62 %
75-01-4	VINYL CHLORIDE	27,088	3.50 %
71-43-2	BENZENE	26,276	3.40 %
79-01-6	TRICHLOROETHYLENE	13,433	1.74 %
91-20-3	NAPHTHALENE	12,185	1.58 %
	Sum of Top 10:	**701,966**	**90.76 %**
	Sum Other:	**71,450**	**9.24 %**
	Sum All:	**773,416**	**100.00 %**

Top 10 Facilities for Stack Air Emissions of Carcinogens

FACILITY NAME (CITY)	COUNTY	Stack Air Emissions (pounds)	Percentage
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	87,994	11.38 %
VIKING YACHT CO CORP (NEW GRETNA)	BURLINGTON	79,640	10.30 %
SILVERTON MARINE CORPORATION (MILLVILLE)	CUMBERLAND	79,425	10.27 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	62,380	8.07 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	59,913	7.75 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	41,356	5.35 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	37,760	4.88 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	34,142	4.41 %
OCEAN YACHTS INC (MULLICA TWP)	ATLANTIC	23,790	3.08 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	20,568	2.66 %
	Sum of Top 10:	**526,968**	**68.14 %**
	Sum Other:	**246,449**	**31.86 %**
	Sum All:	**773,416**	**100.00 %**

Top 10 Carcinogen Records for Stack Air Emissions

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Stack Air Emissions (pounds)
VIKING YACHT CO CORP (NEW GRETNA)	BURLINGTON	STYRENE	79,640
SILVERTON MARINE CORPORATION (MILLVILLE)	CUMBERLAND	STYRENE	79,425
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL ACETATE	78,999
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	METHYL TERT-BUTYL ETHER	59,280
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	CHLOROMETHANE	42,460
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	METHYL TERT-BUTYL ETHER	34,184
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	29,090
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	27,788
OCEAN YACHTS INC (MULLICA TWP)	ATLANTIC	STYRENE	23,790
MERCK & CO INC (RAHWAY)	UNION	DICHLOROMETHANE	19,985

Table 50. 2004 RPPR – Fugitive Air Emissions for Carcinogens (pounds per year)

Top 10 Carcinogens for Fugitive Air Emissions

CAS Number	SUBSTANCE NAME	Fugitive Air Emissions (pounds)	Percentage
75-09-2	DICHLOROMETHANE	42,506	21.66 %
1634-04-4	METHYL TERT-BUTYL ETHER	35,378	18.02 %
79-01-6	TRICHLOROETHYLENE	27,476	14.00 %
71-43-2	BENZENE	24,936	12.70 %
100-42-5	STYRENE	20,596	10.49 %
100-41-4	ETHYLBENZENE	12,317	6.28 %
75-01-4	VINYL CHLORIDE	11,306	5.76 %
91-20-3	NAPHTHALENE	5,359	2.73 %
106-99-0	1,3-BUTADIENE	4,284	2.18 %
75-21-8	ETHYLENE OXIDE	2,278	1.16 %
	Sum of Top 10:	**186,436**	**94.99 %**
	Sum Other:	**9,843**	**5.01 %**
	Sum All:	**196,279**	**100.00 %**

Top 10 Facilities for Fugitive Air Emissions of Carcinogens

FACILITY NAME (CITY)	COUNTY	Fugitive Air Emissions (pounds)	Percentage
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	27,330	13.92 %
ACCURATE FORMING DIV. OF SHAN INDUST (HAMBURG)	SUSSEX	17,973	9.16 %
PIKE MACHINE PRODUCTS, INC. (ELIZABETH)	UNION	16,335	8.32 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	11,540	5.88 %
TRYCO TOOL & MFG CO INC (ORANGE)	ESSEX	10,420	5.31 %
NATIONAL MANUFACTURING CO INC (CHATHAM)	MORRIS	9,479	4.83 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	7,921	4.04 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	6,924	3.53 %
OCEAN YACHTS INC (MULLICA TWP)	ATLANTIC	5,947	3.03 %
MERCK & CO INC (RAHWAY)	UNION	5,474	2.79 %
	Sum of Top 10:	**119,343**	**60.80 %**
	Sum Other:	**76,936**	**39.20 %**
	Sum All:	**196,279**	**100.00 %**

Top 10 Carcinogen Records for Fugitive Air Emissions

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Fugitive Air Emissions (pounds)
ACCURATE FORMING DIV. OF SHAN INDUST (HAMBURG)	SUSSEX	TRICHLOROETHYLENE	17,973
PIKE MACHINE PRODUCTS, INC. (ELIZABETH)	UNION	DICHLOROMETHANE	16,335
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	BENZENE	11,531
TRYCO TOOL & MFG CO INC (ORANGE)	ESSEX	DICHLOROMETHANE	10,420
NATIONAL MANUFACTURING CO INC (CHATHAM)	MORRIS	TRICHLOROETHYLENE	9,479
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	7,524
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL CHLORIDE	6,883
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	BENZENE	6,668
OCEAN YACHTS INC (MULLICA TWP)	ATLANTIC	STYRENE	5,947
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	METHYL TERT-BUTYL ETHER	5,900

Table 51. 2004 RPPR - Surface Water Discharges for Carcinogens (pounds per year)

Top 10 Carcinogens for Surface Water Discharges

CAS Number	SUBSTANCE NAME	Surface Water Discharges (pounds)	Percentage
120-80-9	CATECHOL	11,948	29.13 %
7440-02-0 & N495	NICKEL & COMPOUNDS	11,111	27.09 %
1634-04-4	METHYL TERT-BUTYL ETHER	10,596	25.83 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	1,951	4.76 %
88-06-2	2,4,6-TRICHLOROPHENOL	1,705	4.16 %
25321-22-6	DICHLOROBENZENE (MIXED ISOMERS)	949	2.31 %
91-20-3	NAPHTHALENE	533	1.30 %
67-66-3	CHLOROFORM	519	1.27 %
71-43-2	BENZENE	443	1.08 %
100-41-4	ETHYLBENZENE	264	0.64 %
	Sum of Top 10:	**40,019**	**97.57 %**
	Sum Other:	**997**	**2.43 %**
	Sum All:	**41,016**	**100.00 %**

Top 10 Facilities for Surface Water Discharges of Carcinogens

FACILITY NAME (CITY)	COUNTY	Surface Water Discharges (pounds)	Percentage
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	24,790	60.44 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	7,608	18.55 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	3,018	7.36 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	1,667	4.06 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	1,427	3.48 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	573	1.40 %
DSM NUTRITIONAL PRODUCTS INC (BELVIDERE)	WARREN	519	1.27 %
GULF OIL LIMITED PARTNERSHIP (LINDEN)	UNION	312	0.76 %
MALLINCKRODT BAKER INC (PHILLIPSBURG)	WARREN	310	0.76 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	254	0.62 %
	Sum of Top 10:	**40,478**	**98.69 %**
	Sum Other:	**538**	**1.31 %**
	Sum All:	**41,016**	**100.00 %**

Top 10 Carcinogen Records for Surface Water Discharges

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Surface Water Discharges (pounds)
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	CATECHOL	11,948
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	NICKEL & COMPOUNDS	7,695
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	7,046
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	2,4,6-TRICHLOROPHENOL	1,705
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	METHYL TERT-BUTYL ETHER	1,565
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	CHROMIUM & COMPOUNDS	1,529
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	NICKEL & COMPOUNDS	1,482
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	METHYL TERT-BUTYL ETHER	1,183
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	DICHLOROBENZENE (MIXED ISOMERS)	949
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	NICKEL & COMPOUNDS	562

Table 52. 2004 RPPR – On-Site Land Disposal for Carcinogens (pounds per year)

Top 10 Carcinogens for On-Site Land Disposal

CAS Number	SUBSTANCE NAME	On-Site Land Disposal (pounds)	Percentage
7440-47-3 & N090	CHROMIUM & COMPOUNDS	11,985	39.20 %
7440-02-0 & N495	NICKEL & COMPOUNDS	9,223	30.17 %
1634-04-4	METHYL TERT-BUTYL ETHER	4,935	16.14 %
25321-22-6	DICHLOROBENZENE (MIXED ISOMERS)	1,573	5.15 %
7439-92-1 & N420	LEAD & COMPOUNDS	1,424	4.66 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	514	1.68 %
7440-48-4 & N096	COBALT & COMPOUNDS	240	0.79 %
120-80-9	CATECHOL	113	0.37 %
100-44-7	BENZYL CHLORIDE	80	0.26 %
118-74-1	HEXACHLOROBENZENE	74	0.24 %
	Sum of Top 10:	**30,161**	**98.66 %**
	Sum Other:	**409**	**1.34 %**
	Sum All:	**30,570**	**100.00 %**

All Facilities for On-Site Land Disposal of Carcinogens

FACILITY NAME (CITY)	COUNTY	On-Site Land Disposal (pounds)	Percentage
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	12,052	39.42 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	10,259	33.56 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	8,259	27.02 %
	Sum of All:	**30,570**	**100.00 %**

Top 10 Carcinogen Records for On-Site Land Disposal

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Land Disposal (pounds)
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	CHROMIUM & COMPOUNDS	11,137
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	NICKEL & COMPOUNDS	7,402
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	METHYL TERT-BUTYL ETHER	4,935
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	NICKEL & COMPOUNDS	1,821
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	DICHLOROBENZENE (MIXED ISOMERS)	1,573
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	CHROMIUM & COMPOUNDS	848
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	LEAD & COMPOUNDS	675
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	POLYCYCLIC AROMATIC COMPOUNDS	449
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	LEAD & COMPOUNDS	427
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	LEAD & COMPOUNDS	322

Table 53. 2004 RPPR – Total Off-Site Transfers for Carcinogens (pounds per year)

Top 10 Carcinogens for Total Off-Site Transfers

CAS Number	SUBSTANCE NAME	Off-site Transfers (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	15,144,892	70.96 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	999,295	4.68 %
100-44-7	BENZYL CHLORIDE	921,963	4.32 %
75-09-2	DICHLOROMETHANE	905,830	4.24 %
7440-02-0 & N495	NICKEL & COMPOUNDS	827,031	3.88 %
7440-48-4 & N096	COBALT & COMPOUNDS	792,634	3.71 %
100-41-4	ETHYLBENZENE	715,931	3.35 %
91-20-3	NAPHTHALENE	339,373	1.59 %
79-01-6	TRICHLOROETHYLENE	174,326	0.82 %
78-87-5	1,2-DICHLOROPROPANE	115,646	0.54 %
	Sum of Top 10:	**20,936,921**	**98.10 %**
	Sum Other:	**405,493**	**1.90 %**
	Sum All:	**21,342,414**	**100.00 %**

Top 10 Facilities for Total Off-Site Transfers of Carcinogens

FACILITY NAME (CITY)	COUNTY	Off-Site Transfers (pounds)	Percentage
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	11,666,609	54.66 %
FERRO CORP. (LOGAN TWP)	GLOUCESTER	943,409	4.42 %
MERCK & CO INC (RAHWAY)	UNION	773,753	3.63 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	763,449	3.58 %
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	651,433	3.05 %
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	606,959	2.84 %
STRYKER ORTHOPAEDICS (MAHWAH TWP)	BERGEN	572,151	2.68 %
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	552,562	2.59 %
MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	428,520	2.01 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	361,309	1.69 %
	Sum of Top 10:	**17,320,154**	**81.15 %**
	Sum Other:	**4,022,260**	**18.85 %**
	Sum All:	**21,342,414**	**100.00 %**

Top 10 Carcinogen Records for Total Off-Site Transfers

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Transfers (pounds)
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	LEAD & COMPOUNDS	11,666,609
FERRO CORP. (LOGAN TWP)	GLOUCESTER	BENZYL CHLORIDE	921,963
MERCK & CO INC (RAHWAY)	UNION	DICHLOROMETHANE	773,753
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	LEAD & COMPOUNDS	763,449
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	LEAD & COMPOUNDS	606,959
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	LEAD & COMPOUNDS	552,562
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	NICKEL & COMPOUNDS	395,277
STRYKER ORTHOPAEDICS (MAHWAH TWP)	BERGEN	COBALT & COMPOUNDS	385,053
MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	NAPHTHALENE	298,457
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	295,914

Table 54. 2004 RPPR – POTW Discharges for Carcinogens (pounds per year)

Top 10 Carcinogens for POTW Discharges

CAS Number	SUBSTANCE NAME	POTW Discharges (pounds)	Percentage
75-09-2	DICHLOROMETHANE	59,349	39.97 %
106-89-8	EPICHLOROHYDRIN	48,642	32.76 %
67-66-3	CHLOROFORM	17,157	11.56 %
7439-92-1 & N420	LEAD & COMPOUNDS	5,729	3.86 %
75-21-8	ETHYLENE OXIDE	4,019	2.71 %
7440-02-0 & N495	NICKEL & COMPOUNDS	3,028	2.04 %
71-43-2	BENZENE	2,938	1.98 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	2,367	1.59 %
108-05-4	VINYL ACETATE	1,846	1.24 %
8001-58-9	CREOSOTE	1,588	1.07 %
	Sum of Top 10:	**146,663**	**98.79 %**
	Sum Other:	**1,803**	**1.21 %**
	Sum All:	**148,466**	**100.00 %**

Top 10 Facilities for POTW Discharges of Carcinogens

FACILITY NAME (CITY)	COUNTY	POTW Discharges (pounds)	Percentage
MERCK & CO INC (RAHWAY)	UNION	59,274	39.92 %
CARDOLITE CORPORATION (NEWARK)	ESSEX	46,750	31.49 %
SCHWEITZER MAUDUIT INTERNATIONAL INC (SPOTSWOOD)	MIDDLESEX	16,996	11.45 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	5,621	3.79 %
JOHNSON & JOHNSON CONSUMER PRODUCTS INC. (NORTH BRUNSWICK TW	MIDDLESEX	4,019	2.71 %
CITGO ASPHALT REFINING CO. (WEST DEPTFORD TWP)	GLOUCESTER	3,085	2.08 %
SETON COMPANY LEATHER DIVISION (NEWARK)	ESSEX	2,340	1.58 %
CVC SPECIALTY CHEMICALS, INC. (MAPLE SHADE)	BURLINGTON	2,129	1.43 %
C & C METAL PRODUCTS CORP. (ENGLEWOOD)	BERGEN	2,054	1.38 %
ATLANTIC WOOD INDUSTRIES INC. (HAINESPORT)	BURLINGTON	1,614	1.09 %
	Sum of Top 10:	**143,882**	**96.91 %**
	Sum Other:	**4,584**	**3.09 %**
	Sum All:	**148,466**	**100.00 %**

Top 10 Carcinogen Records for POTW Discharges

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	POTW Discharges (pounds)
MERCK & CO INC (RAHWAY)	UNION	DICHLOROMETHANE	59,274
CARDOLITE CORPORATION (NEWARK)	ESSEX	EPICHLOROHYDRIN	46,750
SCHWEITZER MAUDUIT INTERNATIONAL INC (SPOTSWOOD)	MIDDLESEX	CHLOROFORM	16,996
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	LEAD & COMPOUNDS	5,621
JOHNSON & JOHNSON CONSUMER PRODUCTS INC. (NORTH BRUNSWICK TWI	MIDDLESEX	ETHYLENE OXIDE	4,019
CITGO ASPHALT REFINING CO. (WEST DEPTFORD TWP)	GLOUCESTER	BENZENE	2,938
SETON COMPANY LEATHER DIVISION (NEWARK)	ESSEX	CHROMIUM & COMPOUNDS	2,340
C & C METAL PRODUCTS CORP. (ENGLEWOOD)	BERGEN	NICKEL & COMPOUNDS	2,054
CVC SPECIALTY CHEMICALS, INC. (MAPLE SHADE)	BURLINGTON	EPICHLOROHYDRIN	1,892
ATLANTIC WOOD INDUSTRIES INC. (HAINESPORT)	BURLINGTON	CREOSOTE	1,588

Table 55. 2004 RPPR – Off-Site Recycling for Carcinogens (pounds per year)

Top 10 Carcinogens for Off-Site Recycling

CAS Number	SUBSTANCE NAME	Off-Site Recycling (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	14,601,195	82.11 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	907,933	5.11 %
7440-48-4 & N096	COBALT & COMPOUNDS	783,699	4.41 %
7440-02-0 & N495	NICKEL & COMPOUNDS	780,926	4.39 %
75-09-2	DICHLOROMETHANE	621,410	3.49 %
79-01-6	TRICHLOROETHYLENE	41,135	0.23 %
7440-43-9 & N078	CADMIUM & COMPOUNDS	11,676	0.07 %
1634-04-4	METHYL TERT-BUTYL ETHER	9,242	0.05 %
N020	ARSENIC COMPOUNDS	9,036	0.05 %
91-20-3	NAPHTHALENE	7,719	0.04 %
	Sum of Top 10:	**17,773,971**	**99.95 %**
	Sum Other:	**8,522**	**0.05 %**
	Sum All:	**17,782,493**	**100.00 %**

Top 10 Facilities for Off-Site Recycling of Carcinogens

FACILITY NAME (CITY)	COUNTY	Off-Site Recycling (pounds)	Percentage
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	11,666,601	65.61 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	763,449	4.29 %
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	651,433	3.66 %
MERCK & CO INC (RAHWAY)	UNION	609,254	3.43 %
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	606,959	3.41 %
STRYKER ORTHOPAEDICS (MAHWAH TWP)	BERGEN	571,856	3.22 %
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	552,562	3.11 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	361,309	2.03 %
BIOMET FAIR LAWN,LP (FAIR LAWN BORO)	BERGEN	321,785	1.81 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	202,424	1.14 %
	Sum of Top 10:	**16,307,632**	**91.71 %**
	Sum Other:	**1,474,861**	**8.29 %**
	Sum All:	**17,782,493**	**100.00 %**

Top 10 Carcinogen Records for Off-Site Recycling

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Recycling (pounds)
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	LEAD & COMPOUNDS	11,666,601
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	LEAD & COMPOUNDS	763,449
MERCK & CO INC (RAHWAY)	UNION	DICHLOROMETHANE	609,254
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	LEAD & COMPOUNDS	606,959
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	LEAD & COMPOUNDS	552,562
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	NICKEL & COMPOUNDS	395,277
STRYKER ORTHOPAEDICS (MAHWAH TWP)	BERGEN	COBALT & COMPOUNDS	384,850
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	295,914
BIOMET FAIR LAWN,LP (FAIR LAWN BORO)	BERGEN	COBALT & COMPOUNDS	221,445
STRYKER ORTHOPAEDICS (MAHWAH TWP)	BERGEN	CHROMIUM & COMPOUNDS	187,006

Table 56. 2004 RPPR - Off-Site Energy Recovery for Carcinogens (pounds per year)

Top 10 Carcinogens for Off-Site Energy Recovery

CAS Number	SUBSTANCE NAME	Off-Site Energy Recovery (pounds)	Percentage
100-44-7	BENZYL CHLORIDE	921,051	41.63 %
100-41-4	ETHYLBENZENE	669,924	30.28 %
91-20-3	NAPHTHALENE	209,461	9.47 %
75-09-2	DICHLOROMETHANE	137,749	6.23 %
79-01-6	TRICHLOROETHYLENE	131,727	5.95 %
8001-58-9	CREOSOTE	22,527	1.02 %
100-42-5	STYRENE	21,945	0.99 %
98-07-7	BENZOIC TRICHLORIDE	21,446	0.97 %
7440-02-0 & N495	NICKEL & COMPOUNDS	16,619	0.75 %
67-66-3	CHLOROFORM	15,763	0.71 %
	Sum of Top 10:	**2,168,212**	**98.00 %**
	Sum Other:	**44,141**	**2.00 %**
	Sum All:	**2,212,353**	**100.00 %**

Top 10 Facilities for Off-Site Energy Recovery of Carcinogens

FACILITY NAME (CITY)	COUNTY	Off-Site Energy Recovery (pounds)	Percentage
FERRO CORP. (LOGAN TWP)	GLOUCESTER	942,497	42.60 %
MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	314,317	14.21 %
SIEGFRIED(USA), INC. (PENNSVILLE)	SALEM	230,863	10.44 %
FAB RITE CORP (WOOD-RIDGE)	BERGEN	131,667	5.95 %
MERCK & CO INC (RAHWAY)	UNION	105,029	4.75 %
COOK COMPOSITES AND POLYMERS COMPANY (PENNSAUKEN)	CAMDEN	71,775	3.24 %
BASF CORPORATION (BELVIDERE)	WARREN	71,026	3.21 %
INTERNATIONAL PAINT, LLC (UNION)	UNION	58,026	2.62 %
SIKA CORPORATION (LYNDHURST)	BERGEN	46,767	2.11 %
METEM CORPORATION (PARSIPPANY-TROY HILLS TWP)	MORRIS	29,893	1.35 %
	Sum of Top 10:	**2,001,860**	**90.49 %**
	Sum Other:	**210,493**	**9.51 %**
	Sum All:	**2,212,353**	**100.00 %**

Top 10 Carcinogen Records for Off-Site Energy Recovery

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Energy Recovery (pounds)
FERRO CORP. (LOGAN TWP)	GLOUCESTER	BENZYL CHLORIDE	921,051
SIEGFRIED(USA), INC. (PENNSVILLE)	SALEM	ETHYLBENZENE	230,710
MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	NAPHTHALENE	184,486
FAB RITE CORP (WOOD-RIDGE)	BERGEN	TRICHLOROETHYLENE	131,667
MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	ETHYLBENZENE	129,831
MERCK & CO INC (RAHWAY)	UNION	DICHLOROMETHANE	105,029
BASF CORPORATION (BELVIDERE)	WARREN	ETHYLBENZENE	70,949
COOK COMPOSITES AND POLYMERS COMPANY (PENNSAUKEN)	CAMDEN	ETHYLBENZENE	61,198
INTERNATIONAL PAINT, LLC (UNION)	UNION	ETHYLBENZENE	58,026
SIKA CORPORATION (LYNDHURST)	BERGEN	ETHYLBENZENE	46,767

Table 57. 2004 RPPR – Off-Site Treatment for Carcinogens (pounds per year)

Top 10 Carcinogens for Off-Site Treatment

CAS Number	SUBSTANCE NAME	Off-Site Treatment (pounds)	Percentage
78-87-5	1,2-DICHLOROPROPANE	115,646	19.53 %
91-20-3	NAPHTHALENE	115,574	19.52 %
75-09-2	DICHLOROMETHANE	87,126	14.71 %
7439-92-1 & N420	LEAD & COMPOUNDS	79,958	13.50 %
108-05-4	VINYL ACETATE	61,651	10.41 %
100-41-4	ETHYLBENZENE	35,007	5.91 %
100-42-5	STYRENE	22,358	3.78 %
140-88-5	ETHYL ACRYLATE	21,074	3.56 %
1634-04-4	METHYL TERT-BUTYL ETHER	18,424	3.11 %
26471-62-5	TOLUENE DIISOCYANATE (MIXED ISOMERS)	10,314	1.74 %
	Sum of Top 10:	**567,132**	**95.78 %**
	Sum Other:	**24,997**	**4.22 %**
	Sum All:	**592,129**	**100.00 %**

Top 10 Facilities for Off-Site Treatment of Carcinogens

FACILITY NAME (CITY)	COUNTY	Off-Site Treatment (pounds)	Percentage
SYBRON CHEMICALS INC NEW (BIRMINGHAM)	BURLINGTON	117,889	19.91 %
MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	114,201	19.29 %
MADISON INDUSTRIES INC (OLD BRIDGE TWP)	MIDDLESEX	74,650	12.61 %
JOHNSON MATTHEY INC (WEST DEPTFORD TWP)	GLOUCESTER	66,707	11.27 %
AIR PRODUCTS POLYMERS, L.P. (SOUTH BRUNSWICK TWP)	MIDDLESEX	60,000	10.13 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	35,880	6.06 %
NOVEON, INC. (OLDMANS TWP)	SALEM	33,708	5.69 %
FRY'S METALS INC. (JERSEY CITY)	HUDSON	16,500	2.79 %
VIKING YACHT CO CORP (NEW GRETNA)	BURLINGTON	13,023	2.20 %
BASF CORPORATION (BELVIDERE)	WARREN	8,579	1.45 %
	Sum of Top 10:	**541,137**	**91.39 %**
	Sum Other:	**50,992**	**8.61 %**
	Sum All:	**592,129**	**100.00 %**

Top 10 Carcinogen Records for Off-Site Treatment

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Treatment (pounds)
SYBRON CHEMICALS INC NEW (BIRMINGHAM)	BURLINGTON	1,2-DICHLOROPROPANE	115,646
MOBIL CHEMICAL COMPANY (EDISON)	MIDDLESEX	NAPHTHALENE	113,969
MADISON INDUSTRIES INC (OLD BRIDGE TWP)	MIDDLESEX	LEAD & COMPOUNDS	74,650
JOHNSON MATTHEY INC (WEST DEPTFORD TWP)	GLOUCESTER	DICHLOROMETHANE	66,707
AIR PRODUCTS POLYMERS, L.P. (SOUTH BRUNSWICK TWP)	MIDDLESEX	VINYL ACETATE	60,000
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	ETHYLBENZENE	22,350
NOVEON, INC. (OLDMANS TWP)	SALEM	ETHYL ACRYLATE	20,550
FRY'S METALS INC. (JERSEY CITY)	HUDSON	DICHLOROMETHANE	16,500
VIKING YACHT CO CORP (NEW GRETNA)	BURLINGTON	STYRENE	13,023
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	METHYL TERT-BUTYL ETHER	11,956

Table 58. 2004 RPPR – Off-Site Disposal for Carcinogens (pounds per year)

Top 10 Carcinogens for Off-Site Disposal

CAS Number	SUBSTANCE NAME	Off-Site Disposal (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	450,944	74.29 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	80,166	13.21 %
7440-02-0 & N495	NICKEL & COMPOUNDS	25,716	4.24 %
7440-43-9 & N078	CADMIUM & COMPOUNDS	20,332	3.35 %
91-20-3	NAPHTHALENE	6,617	1.09 %
100-41-4	ETHYLBENZENE	5,813	0.96 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	3,168	0.52 %
N583	POLYCHLORINATED ALKANES	2,629	0.43 %
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]	2,625	0.43 %
25321-22-6	DICHLOROBENZENE (MIXED ISOMERS)	2,608	0.43 %
	Sum of Top 10:	**600,618**	**98.95 %**
	Sum Other:	**6,356**	**1.05 %**
	Sum All:	**606,974**	**100.00 %**

Top 10 Facilities for Off-Site Disposal of Carcinogens

FACILITY NAME (CITY)	COUNTY	Off-Site Disposal (pounds)	Percentage
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	302,182	49.79 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	47,057	7.75 %
SHIELDALLOY METALLURGICAL CORP (NEWFIELD)	GLOUCESTER	32,003	5.27 %
SETON COMPANY LEATHER DIVISION (NEWARK)	ESSEX	30,678	5.05 %
GGB, LLC (THOROFARE)	GLOUCESTER	30,246	4.98 %
CRYSTEX COMPOSITES (CLIFTON)	PASSAIC	22,499	3.71 %
OLD BRIDGE CHEMICALS INC (OLD BRIDGE TWP)	MIDDLESEX	17,850	2.94 %
CYCLE CHEM., INC. (ELIZABETH)	UNION	14,311	2.36 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	13,920	2.29 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	11,943	1.97 %
	Sum of Top 10:	**522,689**	**86.11 %**
	Sum Other:	**84,285**	**13.89 %**
	Sum All:	**606,974**	**100.00 %**

Top 10 Carcinogen Records for Off-Site Disposal

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Disposal (pounds)
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	LEAD & COMPOUNDS	286,867
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	LEAD & COMPOUNDS	47,057
SHIELDALLOY METALLURGICAL CORP (NEWFIELD)	GLOUCESTER	CHROMIUM & COMPOUNDS	32,003
SETON COMPANY LEATHER DIVISION (NEWARK)	ESSEX	CHROMIUM & COMPOUNDS	30,678
GGB, LLC (THOROFARE)	GLOUCESTER	LEAD & COMPOUNDS	30,246
CRYSTEX COMPOSITES (CLIFTON)	PASSAIC	LEAD & COMPOUNDS	22,499
OLD BRIDGE CHEMICALS INC (OLD BRIDGE TWP)	MIDDLESEX	LEAD & COMPOUNDS	17,850
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	CADMIUM & COMPOUNDS	15,315
CYCLE CHEM., INC. (ELIZABETH)	UNION	LEAD & COMPOUNDS	14,311
CUSTOM ALLOY CORP (HIGH BRIDGE)	HUNTERDON	NICKEL & COMPOUNDS	5,570

Table 59. 2004 RPPR – On-Site Management for Carcinogens (pounds per year)

Top 10 Carcinogens for On-Site Management

CAS Number	SUBSTANCE NAME	On-Site Management (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	1,725,169	22.95 %
7440-02-0 & N495	NICKEL & COMPOUNDS	1,672,409	22.25 %
75-01-4	VINYL CHLORIDE	916,349	12.19 %
1634-04-4	METHYL TERT-BUTYL ETHER	720,555	9.59 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	650,731	8.66 %
71-43-2	BENZENE	335,134	4.46 %
100-41-4	ETHYLBENZENE	219,987	2.93 %
91-20-3	NAPHTHALENE	216,127	2.88 %
7440-48-4 & N096	COBALT & COMPOUNDS	203,642	2.71 %
62-53-3	ANILINE (AND SALTS)	165,209	2.20 %
	Sum of Top 10:	**6,825,312**	**90.79 %**
	Sum Other:	**692,141**	**9.21 %**
	Sum All:	**7,517,453**	**100.00 %**

Top 10 Facilities for On-Site Management of Carcinogens

FACILITY NAME (CITY)	COUNTY	On-Site Management (pounds)	Percentage
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	2,163,999	28.79 %
PRECISION ROLLED PRODUCTS INC (EAST HANOVER TWP)	MORRIS	1,515,635	20.16 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	913,558	12.15 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	572,951	7.62 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TW	GLOUCESTER	493,248	6.56 %
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	337,721	4.49 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	216,300	2.88 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	118,464	1.58 %
BASF CORPORATION -DEL- (WASHINGTON)	WARREN	103,000	1.37 %
BWAY PACKAGING (TRENTON)	MERCER	94,810	1.26 %
	Sum of Top 10:	**6,529,686**	**86.86 %**
	Sum Other:	**987,767**	**13.14 %**
	Sum All:	**7,517,453**	**100.00 %**

Top 10 Carcinogen Records for On-Site Management

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Management (pounds)
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	1,665,589
PRECISION ROLLED PRODUCTS INC (EAST HANOVER TWP)	MORRIS	NICKEL & COMPOUNDS	1,340,999
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL CHLORIDE	903,127
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	CHROMIUM & COMPOUNDS	474,891
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	386,024
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	NICKEL & COMPOUNDS	212,446
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	BENZENE	194,919
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	ANILINE (AND SALTS)	165,209
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	METHYL TERT-BUTYL ETHER	160,000
PRECISION ROLLED PRODUCTS INC (EAST HANOVER TWP)	MORRIS	COBALT & COMPOUNDS	125,000

Table 60. 2004 RPPR – On-Site Recycling for Carcinogens (pounds per year)

Top 10 Carcinogens for On-Site Recycling

CAS Number	SUBSTANCE NAME	On-Site Recycling (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	1,725,169	40.09 %
7440-02-0 & N495	NICKEL & COMPOUNDS	1,672,409	38.87 %
7440-47-3 & N090	CHROMIUM & COMPOUNDS	650,731	15.12 %
7440-48-4 & N096	COBALT & COMPOUNDS	203,642	4.73 %
100-41-4	ETHYLBENZENE	16,210	0.38 %
1634-04-4	METHYL TERT-BUTYL ETHER	15,692	0.36 %
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]	14,500	0.34 %
71-43-2	BENZENE	2,196	0.05 %
91-20-3	NAPHTHALENE	1,152	0.03 %
N583	POLYCHLORINATED ALKANES	1,056	0.02 %
	Sum of Top 10:	**4,302,757**	**100.00 %**
	Sum Other:	**65**	**0.00 %**
	Sum All:	**4,302,821**	**100.00 %**

Top 10 Facilities for On-Site Recycling of Carcinogens

FACILITY NAME (CITY)	COUNTY	On-Site Recycling (pounds)	Percentage
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	2,163,999	50.29 %
PRECISION ROLLED PRODUCTS INC (EAST HANOVER TWP)	MORRIS	1,515,635	35.22 %
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	337,721	7.85 %
KEARNY SMELTING & REFINING CORP. (KEARNY)	HUDSON	73,110	1.70 %
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	72,269	1.68 %
SHIELDALLOY METALLURGICAL CORP (NEWFIELD)	GLOUCESTER	59,515	1.38 %
MYRON MANUFACTURING CORP. (MAYWOOD)	BERGEN	22,275	0.52 %
BP PRODUCTS NORTH AMERICA INC (CARTERET)	MIDDLESEX	16,497	0.38 %
BAYSHORE VINYL COMPOUNDS, INC. (TENNENT)	MONMOUTH	14,500	0.34 %
CHEVRON PRODUCTS COMPANY (PERTH AMBOY)	MIDDLESEX	10,115	0.24 %
	Sum of Top 10:	**4,285,636**	**99.60 %**
	Sum Other:	**17,186**	**0.40 %**
	Sum All:	**4,302,821**	**100.00 %**

Top 10 Carcinogen Records for On-Site Recycling

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Recycling (pounds)
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	1,665,589
PRECISION ROLLED PRODUCTS INC (EAST HANOVER TWP)	MORRIS	NICKEL & COMPOUNDS	1,340,999
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	CHROMIUM & COMPOUNDS	474,891
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	NICKEL & COMPOUNDS	265,219
PRECISION ROLLED PRODUCTS INC (EAST HANOVER TWP)	MORRIS	COBALT & COMPOUNDS	125,000
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	COBALT & COMPOUNDS	70,514
SHIELDALLOY METALLURGICAL CORP (NEWFIELD)	GLOUCESTER	CHROMIUM & COMPOUNDS	59,515
HOWMET CASTINGS (ROCKAWAY TWP)	MORRIS	CHROMIUM & COMPOUNDS	54,761
PRECISION ROLLED PRODUCTS INC (EAST HANOVER TWP)	MORRIS	CHROMIUM & COMPOUNDS	49,636
KEARNY SMELTING & REFINING CORP. (KEARNY)	HUDSON	NICKEL & COMPOUNDS	41,890

Table 61. 2004 RPPR – On-Site Energy Recovery for Carcinogens (pounds per year)

All Carcinogens for On-Site Energy Recovery

CAS Number	SUBSTANCE NAME	On-Site Energy Recovery (pounds)	Percentage
1634-04-4	METHYL TERT-BUTYL ETHER	15,159	47.42 %
75-56-9	PROPYLENE OXIDE	11,129	34.81 %
100-42-5	STYRENE	1,700	5.32 %
71-43-2	BENZENE	1,625	5.08 %
100-41-4	ETHYLBENZENE	1,622	5.07 %
75-09-2	DICHLOROMETHANE	733	2.29 %
	Sum of All:	**31,968**	**100.00 %**

All Facilities for On-Site Energy Recovery of Carcinogens

FACILITY NAME (CITY)	COUNTY	On-Site Energy Recovery (pounds)	Percentage
CITGO ASPHALT REFINING CO. (WEST DEPTFORD TWP)	GLOUCESTER	18,406	57.58 %
PERMACEL A NITTO DENKO COMPANY (NORTH BRUNSWICK TWP)	MIDDLESEX	11,129	34.81 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	1,700	5.32 %
MERCK & CO INC (RAHWAY)	UNION	733	2.29 %
	Sum of All:	**31,968**	**100.00 %**

All Carcinogen Records for On-Site Energy Recovery

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Energy Recovery (pounds)
CITGO ASPHALT REFINING CO. (WEST DEPTFORD TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	15,159
PERMACEL A NITTO DENKO COMPANY (NORTH BRUNSWICK TWP)	MIDDLESEX	PROPYLENE OXIDE	11,129
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	STYRENE	1,700
CITGO ASPHALT REFINING CO. (WEST DEPTFORD TWP)	GLOUCESTER	BENZENE	1,625
CITGO ASPHALT REFINING CO. (WEST DEPTFORD TWP)	GLOUCESTER	ETHYLBENZENE	1,622
MERCK & CO INC (RAHWAY)	UNION	DICHLOROMETHANE	733

Table 62. 2004 RPPR – On-Site Treatment for Carcinogens (pounds per year)

Top 10 Carcinogens for On-Site Treatment

CAS Number	SUBSTANCE NAME	Destroyed On-Site (pounds)	Percentage
75-01-4	VINYL CHLORIDE	916,349	28.79 %
1634-04-4	METHYL TERT-BUTYL ETHER	689,704	21.67 %
71-43-2	BENZENE	331,313	10.41 %
91-20-3	NAPHTHALENE	214,975	6.75 %
100-41-4	ETHYLBENZENE	202,155	6.35 %
62-53-3	ANILINE (AND SALTS)	165,209	5.19 %
75-21-8	ETHYLENE OXIDE	142,100	4.46 %
50-00-0	FORMALDEHYDE	97,969	3.08 %
108-05-4	VINYL ACETATE	90,591	2.85 %
75-09-2	DICHLOROMETHANE	82,412	2.59 %
	Sum of Top 10:	**2,932,777**	**92.15 %**
	Sum Other:	**249,887**	**7.85 %**
	Sum All:	**3,182,664**	**100.00 %**

Top 10 Facilities for On-Site Treatment of Carcinogens

FACILITY NAME (CITY)	COUNTY	Destroyed On-Site (pounds)	Percentage
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	913,558	28.70 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	572,951	18.00 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TW	GLOUCESTER	493,248	15.50 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	216,300	6.80 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	118,464	3.72 %
BASF CORPORATION -DEL- (WASHINGTON)	WARREN	103,000	3.24 %
BWAY PACKAGING (TRENTON)	MERCER	94,810	2.98 %
U S FUJI ELECTRIC, INC. (PISCATAWAY TOWNSHIP)	MIDDLESEX	80,132	2.52 %
ARROW GROUP INDUSTRIES -CORP- (HASKELL)	PASSAIC	76,916	2.42 %
GENTEK BUILDING PRODUCTS, INC. (AVENEL)	MIDDLESEX	75,829	2.38 %
	Sum of Top 10:	**2,745,208**	**86.26 %**
	Sum Other:	**437,456**	**13.74 %**
	Sum All:	**3,182,664**	**100.00 %**

Top 10 Carcinogen Records for On-Site Treatment

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Destroyed On-Site (pounds)
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	VINYL CHLORIDE	903,127
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	METHYL TERT-BUTYL ETHER	386,024
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	BENZENE	194,919
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	ANILINE (AND SALTS)	165,209
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	METHYL TERT-BUTYL ETHER	160,000
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	METHYL TERT-BUTYL ETHER	113,650
BWAY PACKAGING (TRENTON)	MERCER	ETHYLBENZENE	85,699
U S FUJI ELECTRIC, INC. (PISCATAWAY TOWNSHIP)	MIDDLESEX	DICHLOROMETHANE	80,132
ARROW GROUP INDUSTRIES -CORP- (HASKELL)	PASSAIC	NAPHTHALENE	76,916
GENTEK BUILDING PRODUCTS, INC. (AVENEL)	MIDDLESEX	NAPHTHALENE	75,829

C. Chemicals of Concern - Persistent, Bioaccumulative, Toxic Substances

1. Throughput Data Summary for Persistent, Bioaccumulative, Toxic Substances

Chemicals that are persistent, bioaccumulative and toxic (PBT) are of particular concern not only because they are toxic, but also because they remain in the environment for long periods of time and build up or accumulate in body tissue. Through a series of rule changes for RY 2000 and RY 2001, USEPA established a list of 20 chemicals and compound categories that are considered PBTs for TRI reporting purposes and lowered the reporting threshold for these chemicals. Appendix E lists all PBTs, including Dioxins, along with the reporting thresholds for each substance or compound category.

Data summarized and presented on the following pages include all reports submitted by facilities for chemicals classified as PBTs except for Dioxins. As noted earlier, Dioxins are a unique category of PBT that are considered highly toxic and, therefore, reported in grams per year and not in pounds as are all other reportable substances. Therefore, those data are summarized in the next section dedicated to Dioxins only.

Twelve of the 19 listed PBTs (that are reportable in pounds per year) were reported by NJ facilities for RY 2004. Table 63 presents a summary of all materials accounting data for the PBTs (except Dioxins). One hundred eighty eight facilities submitted 295 reports for PBTs. All tables in this section present materials accounting data quantities reported to fractions of a pound since PBTs may be reported to four numbers to the right of the decimal (i.e. ten-thousandths of a pound). For the purposes of this report, these values are presented to hundredths of a pound (two places to the right of the decimal). Use of PBT substances exceeded 190 million pounds in 2004. The reported quantity of use presented in this report will vary depending on whether the trade secret claims submissions are included or excluded from analysis. One of these facilities submitted one PBT report with throughput data as trade secret. The total quantity of PBT use reported was 190,477,050.22 pounds. The quantity of PBT use excluding the trade secret claim substance was 190,477,048.88 pounds (not much of a difference, but one just the same).

Table 64 presents the throughput data by substance. Nearly 190 million pounds were brought on site largely as raw materials or in other products or mixtures. Lead (elemental or in compounds) and polycyclic aromatic compounds (PACs) including benzo(g,h,i)perylene (a individually-listed PAC) account for 99.99% of the quantity brought on site.

Nearly 48 million pounds of PBTs were consumed in processes. Benzo(g,h,i)perylene is a specific polycyclic aromatic compound that is listed separately. PACs and benzo(g,h,i)perylene are shown as consumed in large quantities (Table 64). This is primarily the result of fuel combustion for plant and process operations.

The quantity shipped as (or in) product was nearly 126 million pounds. Lead is shipped, for example, in products by several battery manufacturers, metal recyclers and cable and electronics board manufacturers. PACs are shipped as a chemical component in petroleum products, e.g fuel oil and heating oil.

Table 65 presents the PBT throughput data by county. Table 66 presents the PBT throughput data by SIC Code.

For the metal compound categories the quantity that is reported for materials accounting purposes is the amount of the parent metal, not the entire quantity of the compound. Therefore, in Tables 67 – 71, 75 - 87 and 89 – 91 the reports for Lead and Lead Compounds were combined as were the reports for Mercury and Mercury Compounds resulting in lists that show 10 PBT substance groupings.

Tables 67 through 71 are composed of two sub-tables. Each table addresses one component of the materials accounting throughput data. In Table 67 the first sub-table summarizes data for all PBTs used in 2004 and the second sub-table presents the top 20 facilities for PBTs used. It is quickly evident that the top 20 facilities account for the vast majority (over 97%) of substance use.

Table 68 summarizes all PBTs manufactured in 2004 and the top 20 facilities for PBTs manufactured. The facilities account for essentially 100% of the manufactured totals.

Table 69 summarizes all PBTs brought on site in 2004 and the top 20 facilities for PBTs brought on site. The top 20 facilities account for more than 97% of the quantity or PBTs brought on site.

Table 63. Materials Accounting Data for PBTs (in pounds)

	2004
Number of Facilities	188
Number of Substance Reports	295
Starting Inventory (SI)	8,464,999.18
Starting Inventory as NPO	256,958.81
Manufactured	202,767.82
Brought on Site	189,348,847.23
Brought on Site as Recycled	73,016,709.42
Consumed	47,907,672.10
Shipped	125,783,368.23
Ending Inventory (EI)	9,638,306.89
Ending Inventory as NPO	146,590.52
Nonproudct Output (NPO)	16,786,009.89
On-Site Releases	12,799.24
Stack Air Emissions	9,690.87
Fugitive Air Emissions	704.56
Surface Water Discharge	308.72
Ground Water Discharge	0.00
Land Disposal on-site	2,095.10
On-Site Management	1,728,836.84
Recycled & Reused on-site	1,725,204.30
Energy Recovered on-site	0.00
Destroyed on-site	3,632.54
EI (as NPO) -- SI (as NPO)	110368.28
Off-Site Transfers	15,154,742.09
POTW Discharge	5,755.44
Waste Transfer - Recycling	14,603,890.15
Waste Transfer - Energy Recovery	7,475.62
Waste Transfer - Treatment	82,954.06
Waste Transfer - Disposal	454,666.82
Total Substance USE or Throughput	190,477,050.22

Table 70 summarizes all PBTs consumed in processes in 2004 and the top 20 facilities for PBTs consumed. The top 20 facilities account for nearly all of the PBTs consumed in processes.

Table 71 summarizes all PBTs shipped as (or in) product in 2004 and the top 20 facilities for PBTs shipped as (or in) product. The top 20 facilities account for more than 98% of the PBTs shipped in product.

Table 64. 2004 RPPR Throughput Data for PBTs Reported by New Jersey Facilities
(ordered alphabetically by substance name; throughput reported in pounds per year)

		INPUTS				OUTPUTS				
CAS #	Chemical Name	Starting Inventory	Manufactured	Brought on Site	Recycled & Reused on-site	Consumed	Shipped as (or in) Product	Ending Inventory	NPO	USE
191-24-2	BENZO(G,H,I)PERYLENE	262,780.52	304.04	3,966,981.60	0.10	3,112,698.77	800,391.89	334,170.17	274.27	**3,913,364.93**
57-74-9	CHLORDANE	0.00	0.00	58.00	0.00	0.00	0.00	0.00	58.00	**58.00**
76-44-8	HEPTACHLOR	0.00	0.00	18.00	0.00	0.00	0.00	0.00	18.00	**18.00**
118-74-1	HEXACHLOROBENZENE	3,689.70	7,022.30	522.00	0.00	0.00	6,667.00	1,186.00	2,609.50	**9,276.50**
7439-92-1	LEAD	660,491.74	41,066.00	6,357,677.02	59,089.70	0.00	4,269,760.00	917,087.44	1,794,186.88	**6,063,946.88**
N420	LEAD COMPOUNDS	1,024,276.96	148,258.80	92,886,222.72	1,666,079.00	0.00	79,570,657.21	1,486,259.97	14,975,625.32	**94,546,282.53**
7439-97-6	MERCURY	1,425.60	140.00	7,990.39	0.00	0.00	4,923.80	2,007.60	3,180.19	**8,103.99**
N458	MERCURY COMPOUNDS	4,274.53	305.00	2,289.44	0.00	0.00	3,027.42	2,911.11	1,017.01	**4,044.43**
608-93-5	PENTACHLOROBENZENE	0.00	60.30	0.00	0.00	0.00	0.00	0.00	60.40	**60.40**
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	13.71	24.71	0.00	0.00	0.00	0.00	1.71	25.25	**25.25**
N590	POLYCYCLIC AROMATIC COMPOUNDS	6,508,018.42	5,586.67	86,126,483.06	35.50	44,794,973.33	41,127,592.91	6,894,397.88	8,953.74	**85,931,519.97**
79-94-7	TETRABROMOBISPHENOL A	28.00	0.00	605.00	0.00	0.00	348.00	285.00	0.00	**348.00**
	SUM:	**8,464,999.18**	**202,767.82**	**189,348,847.23**	**1,725,204.30**	**47,907,672.10**	**125,783,368.23**	**9,638,306.89**	**16,786,008.55**	**190,477,048.88**

Table 65. 2004 RPPR Throughput Data for PBTs Reported by New Jersey Facilities
(ordered alphabetically by county; throughput reported in pounds per year)

			INPUTS				OUTPUTS				
COUNTY	# of Facilities	# of Reports	Starting Inventory	Manufactured	Brought on Site	Recycled & Reused on-site	Consumed	Shipped as (or in) Product	Ending Inventory	Nonproduct Output	USE
ATLANTIC	1	1	302.00	0.00	263.00	0.00	0.00	305.50	231.00	28.52	**334.02**
BERGEN	17	25	227,293.20	0.10	1,656,299.46	22,275.00	53,285.80	1,742,440.66	72,014.30	36,233.28	**1,831,959.74**
BURLINGTON	15	19	103,295.00	141,904.00	1,015,064.10	275.00	67,050.20	876,307.31	99,749.90	220,649.11	**1,164,006.62**
CAMDEN	9	14	427,867.53	40,322.71	4,572,013.90	24.00	2,651.89	5,017,039.65	18,485.07	2,726.28	**5,022,417.82**
CAPE MAY	1	4	7,793.00	79.50	132,232.70	0.00	127,088.00	4,297.00	8,147.00	573.09	**131,958.09**
CUMBERLAND	2	4	18,990.00	0.11	44,459.50	0.00	5,742.80	19,902.75	32,592.16	5,913.56	**31,559.11**
ESSEX	15	25	67,774.96	0.00	3,514,574.72	0.00	17,849.03	3,400,875.54	146,467.19	9,946.15	**3,428,670.73**
GLOUCESTER	10	24	1,622,108.89	10,081.00	18,250,460.11	0.00	13,840,552.00	4,232,818.67	1,767,816.83	53,935.06	**18,127,305.73**
HUDSON	12	20	791,330.30	264.20	9,034,080.70	34,620.00	54,207.30	9,044,956.81	304,904.80	337,074.32	**9,436,238.43**
HUNTERDON	7	8	27,891.00	29.52	166,234.80	2,238.00	401.80	168,942.00	22,889.00	4,388.52	**173,732.32**
MERCER	2	6	41,041.36	180.40	15,153.80	0.00	1,153.00	27,654.70	27,031.70	271.50	**29,079.20**
MIDDLESEX	34	57	3,700,073.42	4,348.18	110,876,437.09	1,665,624.60	14,679,384.55	82,873,032.34	4,121,405.15	14,587,152.80	**112,139,569.69**
MONMOUTH	3	3	2,000.00	0.00	7,061.00	0.00	0.00	5,751.00	2,500.00	716.00	**6,467.00**
MORRIS	10	11	42,994.44	0.10	147,216.92	7.70	0.00	26,963.00	39,546.44	124,176.94	**151,139.94**
PASSAIC	15	15	257,084.92	0.00	19,430,914.15	120.00	0.00	18,057,857.72	1,225,889.96	709,785.69	**18,767,643.41**
SALEM	5	16	1,062,495.20	2,296.60	19,494,223.87	0.00	19,051,279.50	686.60	1,682,911.30	8,072.31	**19,060,038.41**
SOMERSET	4	6	230.94	1,673.00	3,305.85	0.00	2,960.43	1,382.99	241.77	706.45	**5,049.87**
UNION	16	25	57,359.82	1,578.40	902,601.56	20.00	4,015.80	257,704.68	57,910.43	622,271.85	**883,992.33**
WARREN	9	11	7,073.20	10.00	86,250.00	0.00	50.00	24,449.30	7,572.90	61,387.13	**85,886.43**
SUM:	**187**	**294**	**8,464,999.18**	**202,767.82**	**189,348,847.23**	**1,725,204.30**	**47,907,672.10**	**125,783,368.23**	**9,638,306.89**	**16,786,008.55**	**190,477,048.88**

Table 66. 2004 RPPR Throughput Data for PBTs Reported by New Jersey Facilities
(ordered numerically by SIC Code; throughput reported in pounds per year)

			INPUTS				OUTPUTS				
SIC CODE	# of Facilities	# of Reports	Starting Inventory	Manufactured	Brought On Site	Recycled & Re-Used On Site	Consumed	Shipped as (or in) Products	Ending Inventory	NPO	USE
20	**3**	**5**	2,016.80	0.00	4,766.75	0.00	6,531.09	0.00	252.60	0.00	**6,531.09**
24	**1**	**1**	8,948.00	0.00	65,165.00	0.00	0.00	69,615.00	4,498.00	392.40	**70,007.40**
26	**4**	**6**	762.32	0.00	55,119.00	7.70	52,635.00	2,308.58	767.10	176.90	**55,120.48**
27	**3**	**3**	57,258.44	0.00	114,746.92	22,275.00	0.00	0.00	59,376.44	141,054.06	**141,054.06**
28	**29**	**43**	75,349.43	7,032.30	1,259,394.59	120.00	96,264.26	1,056,988.67	72,154.54	108,740.34	**1,261,993.27**
29	**10**	**29**	1,680,933.60	5,646.10	25,875,429.39	35.60	4,107,827.00	21,462,511.57	1,988,832.21	8,255.59	**25,578,594.16**
30	**13**	**15**	289,308.00	0.00	1,504,304.32	1,926.00	46,687.00	1,568,390.45	178,210.00	6,200.01	**1,621,277.47**
31	**1**	**2**	313.00	0.00	11,357.00	0.00	11,423.00	0.00	209.00	38.00	**11,461.00**
32	**8**	**9**	37,697.40	1,673.10	60,610.60	332.00	0.00	36,975.90	32,746.70	24,536.92	**61,512.82**
33	**20**	**26**	1,028,575.21	182,226.71	7,360,305.30	1,696,809.00	0.00	5,079,357.62	1,293,064.37	3,752,903.70	**8,832,261.32**
34	**15**	**15**	44,387.00	0.00	59,032.00	0.00	0.00	52,646.00	32,510.99	18,489.01	**71,135.01**
35	**6**	**6**	12,968.30	0.00	120,772.70	275.00	0.00	74,002.70	12,039.00	48,020.45	**122,023.15**
36	**28**	**28**	26,814.78	0.00	88,480,221.17	0.00	0.00	75,835,931.09	642,824.74	12,340,883.59	**88,176,814.68**
37	**1**	**1**	1,212.00	0.00	1,763.00	0.00	0.00	1,739.00	1,176.00	60.00	**1,799.00**
38	**5**	**5**	4,025.50	0.00	1,919.15	24.00	0.00	701.10	3,463.80	1,433.26	**2,134.37**
39	**2**	**2**	2,559.00	0.00	36,614.00	3,400.00	0.00	37,051.00	2,000.00	3,522.00	**40,573.00**
49	**20**	**48**	4,084,309.66	5,800.61	44,852,347.55	0.00	43,586,293.65	72,257.65	5,152,840.06	329,366.29	**43,987,917.59**
51	**18**	**50**	1,107,560.74	389.00	19,484,978.79	0.00	11.10	20,432,891.89	161,341.34	1,936.04	**20,434,839.03**
SUM:	**187**	**294**	**8,464,999.18**	**202,767.82**	**189,348,847.23**	**1,725,204.30**	**47,907,672.10**	**125,783,368.23**	**9,638,306.89**	**16,786,008.55**	**190,477,048.88**

Table 67. 2004 RPPR – PBTs Used (pounds per year)

All PBTs Used in 2004

CAS Number	SUBSTANCE NAME	USE (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	100,610,229.41	52.82 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	85,931,519.97	45.11 %
191-24-2	BENZO(G,H,I)PERYLENE	3,913,364.93	2.05 %
7439-97-6 & N458	MERCURY & COMPOUNDS	12,148.42	0.01 %
118-74-1	HEXACHLOROBENZENE	9,276.50	0.00 %
79-94-7	TETRABROMOBISPHENOL A	348.00	0.00 %
608-93-5	PENTACHLOROBENZENE	60.40	0.00 %
57-74-9	CHLORDANE	58.00	0.00 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	25.25	0.00 %
76-44-8	HEPTACHLOR	18.00	0.00 %
	Sum of All:	**190,477,048.88**	**100.00 %**

Top 20 Facilities for PBTs Used in 2004

FACILITY NAME (CITY)	COUNTY	USE (pounds)	Percentage
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	72,812,236.00	38.23 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	20,867,298.42	10.96 %
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	19,045,540.72	10.00 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	13,806,497.50	7.25 %
PSEG FOSSIL LLC (SEWAREN)	MIDDLESEX	10,545,759.60	5.54 %
AMERADA HESS (BAYONNE)	HUDSON	8,557,958.40	4.49 %
POWER BATTERY CO INC (PATERSON)	PASSAIC	7,784,765.00	4.09 %
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	7,445,786.00	3.91 %
AMERADA HESS CORP (PENNSAUKEN)	CAMDEN	4,962,280.74	2.61 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	3,926,689.34	2.06 %
THE OKONITE COMPANY, INC (PATERSON)	PASSAIC	3,396,582.99	1.78 %
BP PRODUCTS NORTH AMERICA INC. (NEWARK)	ESSEX	3,193,340.61	1.68 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	1,974,682.00	1.04 %
AMERADA HESS CORP (PERTH AMBOY)	MIDDLESEX	1,662,260.20	0.87 %
CANFIELD TECHNOLOGIES INC (SAYREVILLE)	MIDDLESEX	1,264,197.00	0.66 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	831,385.00	0.44 %
CARY COMPOUNDS LLC (DAYTON)	MIDDLESEX	783,744.00	0.41 %
AMERADA HESS CORP (EDGEWATER)	BERGEN	762,900.90	0.40 %
AMERADA HESS (BOGOTA)	BERGEN	705,531.85	0.37 %
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	699,979.00	0.37 %
	Sum of Top 20:	**185,029,415.27**	**97.14 %**
	Sum Other:	**5,447,633.61**	**2.86 %**
	Sum All:	**190,477,048.88**	**100.00 %**

Table 68. 2004 RPPR – PBTs Manufactured (pounds per year)

All PBTs Manufactured in 2004

CAS Number	SUBSTANCE NAME	Manufactured On-Site (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	189,324.80	93.37 %
118-74-1	HEXACHLOROBENZENE	7,022.30	3.46 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	5,586.67	2.76 %
7439-97-6 & N458	MERCURY & COMPOUNDS	445.00	0.22 %
191-24-2	BENZO(G,H,I)PERYLENE	304.04	0.15 %
608-93-5	PENTACHLOROBENZENE	60.30	0.03 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	24.71	0.01 %
57-74-9	CHLORDANE	0.00	0.00 %
76-44-8	HEPTACHLOR	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**202,767.82**	**100.00 %**

Top 20 Facilities for PBTs Manufactured in 2004

FACILITY NAME (CITY)	COUNTY	Manufactured On-Site (pounds)	Percentage
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	141,904.00	69.98 %
STATE METAL INDUSTRIES INC (CAMDEN)	CAMDEN	40,322.71	19.89 %
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	7,022.30	3.46 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	3,869.00	1.91 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	2,860.00	1.41 %
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	2,268.70	1.12 %
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	1,673.00	0.83 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	1,578.40	0.78 %
SUNOCO PARTNERS M&T LP - PISCATAWAY (PISCATAWAY TWP)	MIDDLESEX	389.00	0.19 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	263.50	0.13 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	198.00	0.10 %
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	174.80	0.09 %
CONECTIV (BEESLEYS POINT)	CAPE MAY	79.50	0.04 %
PSEG FOSSIL LLC (SEWAREN)	MIDDLESEX	72.50	0.04 %
RELIANT ENERGY NEW JERSEY (MILFORD BORO)	HUNTERDON	29.52	0.01 %
CONECTIV - DEEPWATER CT (PENNSVILLE)	SALEM	27.60	0.01 %
RELIANT ENERGY NEW JERSEY (SAYREVILLE)	MIDDLESEX	17.68	0.01 %
BASF CORPORATION -DEL- (WASHINGTON)	WARREN	10.00	0.00 %
TRIGEN TRENTON ENERGY COMPANY (TRENTON)	MERCER	5.60	0.00 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TW	GLOUCESTER	0.70	0.00 %
	Sum of Top 20:	**202,766.51**	**100.00 %**
	Sum Other:	**1.31**	**0.00 %**
	Sum All:	**202,767.82**	**100.00 %**

Table 69. 2004 RPPR – PBTs Brought On Site (pounds per year)

All PBTs Brought On Site in 2004

CAS Number	SUBSTANCE NAME	Brought On-Site (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	99,243,899.74	52.41 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	86,126,483.06	45.49 %
191-24-2	BENZO(G,H,I)PERYLENE	3,966,981.60	2.10 %
7439-97-6 & N458	MERCURY & COMPOUNDS	10,279.83	0.01 %
79-94-7	TETRABROMOBISPHENOL A	605.00	0.00 %
118-74-1	HEXACHLOROBENZENE	522.00	0.00 %
57-74-9	CHLORDANE	58.00	0.00 %
76-44-8	HEPTACHLOR	18.00	0.00 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
	Sum of All:	**189,348,847.23**	**100.00 %**

Top 20 Facilities for PBTs Brought On Site in 2004

FACILITY NAME (CITY)	COUNTY	Brought On-Site (pounds)	Percentage
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	762,457,918	12.42 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	583,310,749	9.51 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	539,067,100	8.78 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	421,319,817	6.87 %
BP PRODUCTS NORTH AMERICA INC (CARTERET)	MIDDLESEX	410,491,574	6.69 %
CITGO PETROLEUM CORPORATION (LINDEN)	UNION	395,523,502	6.45 %
OXY VINYLS LP (PEDRICKTOWN)	SALEM	384,193,457	6.26 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	337,813,958	5.50 %
GULF OIL LIMITED PARTNERSHIP (THOROFARE)	GLOUCESTER	318,161,454	5.18 %
VALERO LOGISTICS OPERATIONS LP (PAULSBORO)	GLOUCESTER	233,835,236	3.81 %
AMERADA HESS CORP (PENNSAUKEN)	CAMDEN	230,207,596	3.75 %
GULF OIL LIMITED PARTNERSHIP (LINDEN)	UNION	224,585,980	3.66 %
MOTIVA ENTERPRISES LLC (NEWARK)	ESSEX	209,744,221	3.42 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	198,110,849	3.23 %
POLYONE CORPORATION (OLDMANS TWP)	SALEM	97,320,428	1.59 %
BASF CORPORATION -DEL- (WASHINGTON)	WARREN	89,623,453	1.46 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	83,837,918	1.37 %
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	72,812,236	1.19 %
AIR PRODUCTS POLYMERS, L.P. (SOUTH BRUNSWICK TWP)	MIDDLESEX	67,632,870	1.10 %
GETTY PETROLEUM MARKETING INC (NEWARK)	ESSEX	40,849,579	0.67 %
	Sum of Top 20:	**5,700,899,895**	**92.90 %**
	Sum Other:	**435,779,605**	**7.10 %**
	Sum All:	**6,136,679,500**	**100.00 %**

Table 70. 2004 RPPR – PBTs Consumed (pounds per year)

All PBTs Consumed in 2004

CAS Number	SUBSTANCE NAME	Consumed On-Site (pounds)	Percentage
N590	POLYCYCLIC AROMATIC COMPOUNDS	44,794,973.33	93.50 %
191-24-2	BENZO(G,H,I)PERYLENE	3,112,698.77	6.50 %
118-74-1	HEXACHLOROBENZENE	0.00	0.00 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.00	0.00 %
57-74-9	CHLORDANE	0.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
7439-92-1 & N420	LEAD & COMPOUNDS	0.00	0.00 %
7439-97-6 & N458	MERCURY & COMPOUNDS	0.00	0.00 %
76-44-8	HEPTACHLOR	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**47,907,672.10**	**100.00 %**

Top 20 Facilities for PBTs Consumed in 2004

FACILITY NAME (CITY)	COUNTY	Consumed On-Site (pounds)	Percentage
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	19,043,272.00	39.75 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	13,803,637.00	28.81 %
PSEG FOSSIL LLC (SEWAREN)	MIDDLESEX	10,545,566.60	22.01 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	4,069,371.00	8.49 %
CONECTIV (BEESLEYS POINT)	CAPE MAY	127,088.00	0.27 %
SIMKINS INDUSTRIES INC (RIDGEFIELD)	BERGEN	52,635.00	0.11 %
COLORITE SPECIALTY RESINS (BURLINGTON)	BURLINGTON	46,687.00	0.10 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	44,303.30	0.09 %
SUNOCO, INC. (R&M) EAGLE POINT FACILITY (WEST DEPTFORD TWP)	GLOUCESTER	36,915.00	0.08 %
BASF CORPORATION DEL (SOUTH BRUNSWICK TWP)	MIDDLESEX	25,573.40	0.05 %
GREENTREE CHEMICAL TECHNOLOGIES (SAYREVILLE)	MIDDLESEX	23,900.10	0.05 %
SYBRON CHEMICALS INC NEW (BIRMINGHAM)	BURLINGTON	20,240.00	0.04 %
HERCULES INCORPORATED (PARLIN)	MIDDLESEX	14,731.70	0.03 %
SETON COMPANY LEATHER DIVISION (NEWARK)	ESSEX	11,423.00	0.02 %
CONECTIV - DEEPWATER CT (PENNSVILLE)	SALEM	7,697.80	0.02 %
HOFFMANN LA ROCHE INC (NUTLEY)	ESSEX	6,292.63	0.01 %
PSEG FOSSIL LLC (KEARNY)	HUDSON	6,027.00	0.01 %
VINELAND CITY (VINELAND)	CUMBERLAND	5,742.80	0.01 %
TUSCAN/LEHIGH DAIRIES, INC. (UNION TWP)	UNION	3,879.20	0.01 %
ASHLAND INCORPORATED (KEARNY)	HUDSON	3,877.00	0.01 %
	Sum of Top 20:	**47,898,859.53**	**99.98 %**
	Sum Other:	**8,812.57**	**0.02 %**
	Sum All:	**47,907,672.10**	**100.00 %**

Table 71. 2004 RPPR – PBTs Shipped as (or in) Product (pounds per year)

All PBTs Shipped as (or in) Product in 2004

CAS Number	SUBSTANCE NAME	Shipped as Product (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	83,840,417.21	66.65 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	41,127,592.91	32.70 %
191-24-2	BENZO(G,H,I)PERYLENE	800,391.89	0.64 %
7439-97-6 & N458	MERCURY & COMPOUNDS	7,951.22	0.01 %
118-74-1	HEXACHLOROBENZENE	6,667.00	0.01 %
79-94-7	TETRABROMOBISPHENOL A	348.00	0.00 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.00	0.00 %
57-74-9	CHLORDANE	0.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
76-44-8	HEPTACHLOR	0.00	0.00 %
	Sum of All:	**125,783,368.23**	**100.00 %**

Top 20 Facilities for PBTs Shipped as (or in) Product in 2004

FACILITY NAME (CITY)	COUNTY	Shipped as Product (pounds)	Percentage
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	61,142,965.00	48.61 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	16,793,957.00	13.35 %
AMERADA HESS (BAYONNE)	HUDSON	8,557,855.00	6.80 %
POWER BATTERY CO INC (PATERSON)	PASSAIC	7,721,544.00	6.14 %
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	6,893,175.00	5.48 %
AMERADA HESS CORP (PENNSAUKEN)	CAMDEN	4,961,756.00	3.94 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	3,926,501.00	3.12 %
THE OKONITE COMPANY, INC (PATERSON)	PASSAIC	3,323,934.50	2.64 %
BP PRODUCTS NORTH AMERICA INC. (NEWARK)	ESSEX	3,193,324.00	2.54 %
AMERADA HESS CORP (PERTH AMBOY)	MIDDLESEX	1,661,785.00	1.32 %
CANFIELD TECHNOLOGIES INC (SAYREVILLE)	MIDDLESEX	1,218,242.00	0.97 %
CARY COMPOUNDS LLC (DAYTON)	MIDDLESEX	782,849.00	0.62 %
AMERADA HESS CORP (EDGEWATER)	BERGEN	762,250.00	0.61 %
AMERADA HESS (BOGOTA)	BERGEN	705,531.00	0.56 %
CHEVRON PRODUCTS COMPANY (PERTH AMBOY)	MIDDLESEX	549,664.30	0.44 %
STONCOR GROUP, INC. (MAPLE SHADE)	BURLINGTON	464,081.00	0.37 %
RIMTEC CORPORATION (BURLINGTON TOWNSHIP)	BURLINGTON	323,523.00	0.26 %
MOTIVA ENTERPRISES LLC (SEWAREN)	MIDDLESEX	237,385.00	0.19 %
CUSTOM CHEMICALS CORPORATION (ELMWOOD PARK)	BERGEN	233,793.00	0.19 %
FRY'S METALS INC. (JERSEY CITY)	HUDSON	200,000.00	0.16 %
	Sum of Top 20:	**123,654,114.80**	**98.31 %**
	Sum Other:	**2,129,253.43**	**1.69 %**
	Sum All:	**125,783,368.23**	**100.00 %**

2. Nonproduct Output Data Summary for Persistent, Bioaccumulative, Toxic Substances

Environmental releases of PBTs are of special concern due to the nature of their potential to bioaccumulate in fish and other species and their potential impacts on human health. On-site release and off-site transfer data for PBTs are presented in Table 72. Table 73 presents all PBTs reported as managed on site. Only those substances that had an on-site management quantity greater than zero are included in Table 73. As presented in Tables 72 and 73, less than one-tenth of one percent of the PBTs were released to the environment from on-site sources, 10.3% of the NPO was managed on site, and the remainder, 89.6% were transferred off site for further waste management. In 2004, off-site recycling of lead and lead compounds accounted for the largest single (76%) management method for NPO of all PBT substances. Table 74 summarizes the on-site releases and off-site transfers for PBTs by county. Table 75 summarizes the on-site releases and off-site transfers for PBTs by industry.

Table 76 presents all PBTs generated as total NPO in 2004. The top nine substances accounted for 100% of all NPO and amounted to 16,786,010 pounds. Lead and lead compounds accounted for 99.9% of all NPO for PBTs. The top 10 facilities accounted for nearly 97% of all NPO for the PBTs.

Tables 77 through 88 presents the top 10 for total on-site releases, total air emissions, stack air emissions, fugitive air emissions, surface water discharges, on-site land disposal, total off-site transfers, discharges to POTWs, transfers for off-site recycling, transfers for off-site energy recovery, transfers for treatment, and transfers for disposal, respectively. Tables 89 and 90 present the top 10 for total on-site management and on-site recycling, respectively. Table 91 presents 5 substances, 3 facilities, and 7 individual substance records for destroyed through on-site treatment. There was no on-site energy recovery of PBTs reported for 2004.

Table 72. 2004 RPPR On-Site Releases and Off-Site Transfers Data for PBTs Reported by New Jersey Facilities (ordered alphabetically by substance name; data reported in pounds per year)

CAS #	SUBSTANCE NAME	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
191-24-2	BENZO(G,H,I)PERYLENE	40.84	8.26	0.06	0.00	69.49	**118.66**		0.00	3.75	0.40	28.78	60.05	**92.97**
57-74-9	CHLORDANE	0.00	0.00	35.00	0.00	6.00	**41.00**		0.00	0.00	0.00	0.00	5.00	**5.00**
76-44-8	HEPTACHLOR	0.00	0.00	9.00	0.00	7.00	**16.00**		0.00	0.00	0.00	0.00	0.00	**0.00**
118-74-1	HEXACHLOROBENZENE	15.00	3.00	43.00	0.00	74.00	**135.00**		0.00	0.00	0.00	2,772.00	85.00	**2,857.00**
7439-92-1	LEAD	1,805.94	54.03	3.50	0.00	322.00	**2,185.47**		43.19	1,808,221.05	0.00	481.49	35,709.17	**1,844,454.90**
N420	LEAD COMPOUNDS	6,149.46	327.31	127.27	0.00	1,102.00	**7,706.04**		5,685.84	12,792,973.92	7,066.02	79,476.74	415,234.92	**13,300,437.44**
7439-97-6	MERCURY	369.33	0.30	0.00	0.00	0.00	**369.63**		0.20	2,053.90	1.00	96.36	105.40	**2,256.86**
N458	MERCURY COMPOUNDS	413.04	0.00	6.50	0.00	0.70	**420.24**		0.22	253.57	0.00	67.36	275.64	**596.79**
608-93-5	PENTACHLOROBENZENE	60.40	0.00	0.00	0.00	0.00	**60.40**		0.00	0.00	0.00	0.00	0.00	**0.00**
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.24	0.46	0.00	0.00	0.00	**0.70**		0.00	0.00	0.00	12.00	24.01	**36.00**
N590	POLYCYCLIC AROMATIC COMPOUNDS	836.62	311.19	84.39	0.00	513.91	**1,746.11**		26.00	383.97	408.20	19.33	3,167.63	**4,005.13**
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00	0.00	0.00	0.00	**0.00**		0.00	0.00	0.00	0.00	0.00	**0.00**
	SUM:	**9,690.87**	**704.56**	**308.72**	**0.00**	**2,095.10**	**12,799.24**		**5,755.44**	**14,603,890.15**	**7,475.62**	**82,954.06**	**454,666.82**	**15,154,742.09**

Table 73. 2004 RPPR – On-Site Management for PBTs (pounds per year)

CAS #	SUBSTANCE NAME	Recycled & Reused on-site	Energy Recovered on-site	Destroyed on-site	On-Site Management
191-24-2	BENZO(G,H,I)PERYLENE	0.00	0.00	62.54	**62.54**
57-74-9	CHLORDANE	0.00	0.00	12.00	**12.00**
76-44-8	HEPTACHLOR	0.00	0.00	2.00	**2.00**
118-74-1	HEXACHLOROBENZENE	0.00	0.00	389.00	**389.00**
7439-92-1	LEAD	59,089.70	0.00	0.00	**59,089.70**
N420	LEAD COMPOUNDS	1,666,079.00	0.00	0.00	**1,666,079.00**
N590	POLYCYCLIC AROMATIC COMPOUNDS	35.50	0.00	3,167.00	**3,202.50**
	SUM:	**1,725,204.20**	**0.00**	**3,632.54**	**1,728,836.74**

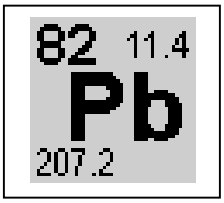


Table 74. 2004 RPPR On-Site Releases and Off-Site Transfers Data for PBTs Reported by New Jersey Facilities (ordered alphabetically by county; data reported in pounds per year)

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	0.00	0.00	0.04	0.00	0.00	**0.04**	11.40	0.05	0.00	0.00	17.03	**28.48**	ATLANTIC
BERGEN	404.42	15.00	0.00	0.00	0.00	**419.42**	1.33	3,407.33	0.20	67.30	3,912.60	**7,388.76**	BERGEN
BURLINGTON	1,921.35	186.45	0.21	0.00	0.00	**2,108.01**	5,649.24	161,020.10	366.00	1.06	50,172.21	**217,208.60**	BURLINGTON
CAMDEN	10.43	1.83	3.50	0.00	0.00	**15.75**	1.00	2,031.07	42.00	20.49	591.43	**2,685.98**	CAMDEN
CAPE MAY	528.63	0.00	0.00	0.00	0.00	**528.63**	0.00	0.00	0.00	0.00	44.46	**44.46**	CAPE MAY
CUMBERLAND	3.58	33.73	24.56	0.00	0.00	**61.87**	0.23	402.04	0.00	0.34	5,443.60	**5,846.20**	CUMBERLAND
ESSEX	73.94	2.29	0.00	0.00	0.00	**76.23**	0.01	7,758.56	18.72	18.72	333.91	**8,129.92**	ESSEX
GLOUCESTER	258.87	4.30	5.00	0.00	0.00	**268.17**	3.25	19,137.61	0.00	2,807.40	32,487.03	**54,435.29**	GLOUCESTER
HUDSON	747.40	47.00	11.91	0.00	0.00	**806.31**	7.00	105,363.30	7,022.00	53.58	287,255.43	**399,701.31**	HUDSON
HUNTERDON	91.52	16.00	0.00	0.00	0.00	**107.52**	0.00	1,012.00	0.00	0.00	851.00	**1,863.00**	HUNTERDON
MERCER	267.70	1.10	1.70	0.00	0.00	**270.50**	0.00	0.00	0.00	0.00	1.00	**1.00**	MERCER
MIDDLESEX	4,055.46	305.70	5.60	0.00	840.40	**5,207.16**	36.00	12,815,506.23	22.40	74,766.64	22,056.51	**12,912,387.78**	MIDDLESEX
MONMOUTH	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	716.00	0.00	0.00	0.00	**716.00**	MONMOUTH
MORRIS	3.18	7.14	0.00	0.00	0.00	**10.32**	2.00	122,604.92	0.00	0.00	1,087.00	**123,693.92**	MORRIS
PASSAIC	64.55	14.25	0.00	0.00	0.00	**78.80**	24.16	691,546.58	0.00	0.00	22,742.54	**714,313.28**	PASSAIC
SALEM	145.54	0.00	229.20	0.00	579.70	**954.44**	0.00	1,852.50	0.00	387.90	3,488.47	**5,728.87**	SALEM
SOMERSET	1.94	0.40	0.00	0.00	675.00	**677.34**	0.01	21.00	0.30	2.70	5.10	**29.11**	SOMERSET
UNION	131.81	56.21	27.00	0.00	0.00	**215.02**	19.82	616,397.87	0.00	4,229.50	20,349.50	**640,996.69**	UNION
WARREN	980.55	13.15	0.00	0.00	0.00	**993.70**	0.00	55,113.00	4.00	598.43	3,828.00	**59,543.43**	WARREN
SUM:	**9,690.87**	**704.56**	**308.72**	**0.00**	**2,095.10**	**12,799.24**	**5,755.44**	**14,603,890.15**	**7,475.62**	**82,954.06**	**454,666.82**	**15,154,742.09**	

Table 75. 2004 RPPR On-Site Releases and Off-Site Transfers Data for PBTs Reported by New Jersey Facilities (ordered numerically by SIC Code; data reported in pounds per year)

SIC CODE	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	SIC CODE
20	0.00	0.00	0.00	0.00	0.00	**0.00**	0.00	0.00	0.00	0.00	0.00	**0.00**	**20**
24	0.10	0.30	0.00	0.00	0.00	**0.40**	26.00	0.00	366.00	0.00	0.00	**392.00**	**24**
26	1.26	0.00	0.80	0.00	0.00	**2.06**	0.82	30.26	0.00	0.00	137.78	**168.86**	**26**
27	0.00	0.14	0.00	0.00	0.00	**0.14**	0.00	112,628.92	0.00	0.00	0.00	**112,628.92**	**27**
28	253.60	80.31	233.20	0.00	579.70	**1,146.81**	8.53	67.21	4.20	77,624.81	28,157.70	**105,862.44**	**28**
29	324.95	285.35	30.60	0.00	840.40	**1,481.30**	0.00	420.11	42.00	151.78	3,882.26	**4,496.15**	**29**
30	80.94	38.00	4.91	0.00	0.00	**123.85**	10.00	1,480.00	18.72	79.66	989.78	**2,578.16**	**30**
31	38.00	0.00	0.00	0.00	0.00	**38.00**	0.00	0.00	0.00	0.00	0.00	**0.00**	**31**
32	216.70	5.40	0.24	0.00	675.00	**897.34**	11.40	0.05	0.00	0.00	27,923.13	**27,934.58**	**32**
33	3,933.63	191.46	2.71	0.00	0.00	**4,127.80**	5,639.30	2,111,289.78	0.00	0.00	53,459.78	**2,170,388.86**	**33**
34	35.00	26.00	0.00	0.00	0.00	**61.00**	2.01	16,435.00	22.00	462.00	1,288.00	**18,209.01**	**34**
35	1.04	0.00	0.00	0.00	0.00	**1.04**	3.11	17,380.80	0.00	0.00	30,358.40	**47,742.31**	**35**
36	2,723.41	19.14	3.00	0.00	0.00	**2,745.55**	30.00	12,334,966.67	0.00	20.87	1,051.70	**12,336,069.24**	**36**
37	0.00	0.00	0.00	0.00	0.00	**0.00**	18.00	0.00	0.00	0.00	42.00	**60.00**	**37**
38	2.73	0.00	0.00	0.00	0.00	**2.73**	0.04	1,624.90	0.00	0.00	52.00	**1,676.94**	**38**
39	52.00	0.00	0.00	0.00	0.00	**52.00**	6.00	0.00	0.00	0.00	64.00	**70.00**	**39**
49	2,004.65	57.63	33.26	0.00	0.00	**2,095.55**	0.23	7,242.64	7,022.40	4,600.24	305,674.77	**324,540.27**	**49**
51	22.86	0.82	0.00	0.00	0.00	**23.68**	0.01	323.82	0.30	14.70	1,585.53	**1,924.36**	**51**
SUM:	**9,690.87**	**704.56**	**308.72**	**0.00**	**2,095.10**	**12,799.24**	**5,755.44**	**14,603,890.15**	**7,475.62**	**82,954.06**	**454,666.82**	**15,154,742.09**	

Table 76. 2004 RPPR – Nonproduct Output for PBTs (pounds per year)

All PBTs for Nonproduct Output

CAS Number	SUBSTANCE NAME	NPO (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	16,769,813.54	99.90 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	8,953.74	0.05 %
7439-97-6 & N458	MERCURY & COMPOUNDS	4,197.20	0.03 %
118-74-1	HEXACHLOROBENZENE	2,609.50	0.02 %
191-24-2	BENZO(G,H,I)PERYLENE	274.27	0.00 %
608-93-5	PENTACHLOROBENZENE	60.40	0.00 %
57-74-9	CHLORDANE	58.00	0.00 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	25.25	0.00 %
76-44-8	HEPTACHLOR	18.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**16,786,009.89**	**100.00 %**

Top 10 Facilities for Nonproduct Output of PBTs

FACILITY NAME (CITY)	COUNTY	NPO (pounds)	Percentage
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	11,669,271.00	69.52 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	1,961,855.00	11.69 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	763,975.00	4.55 %
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	586,980.00	3.50 %
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	552,611.00	3.29 %
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	297,892.00	1.77 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	141,903.54	0.85 %
PRUDENT PUBLISHING CO INC (LANDING)	MORRIS	110,996.06	0.66 %
MADISON INDUSTRIES INC (OLD BRIDGE TWP)	MIDDLESEX	75,850.00	0.45 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	73,424.30	0.44 %
	Sum of Top 10:	**16,234,757.90**	**96.72 %**
	Sum Other:	**551,251.99**	**3.28 %**
	Sum All:	**16,786,009.89**	**100.00 %**

Top 10 PBT Records for Nonproduct Output

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	NPO (pounds)
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	LEAD & COMPOUNDS	11,669,271.00
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	1,961,784.00
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	LEAD & COMPOUNDS	763,785.00
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	LEAD & COMPOUNDS	586,980.00
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	LEAD & COMPOUNDS	552,611.00
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	LEAD & COMPOUNDS	297,807.00
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	LEAD & COMPOUNDS	141,763.54
PRUDENT PUBLISHING CO INC (LANDING)	MORRIS	LEAD & COMPOUNDS	110,996.06
MADISON INDUSTRIES INC (OLD BRIDGE TWP)	MIDDLESEX	LEAD & COMPOUNDS	75,850.00
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	LEAD & COMPOUNDS	73,378.00

Table 77. 2004 RPPR – Total On-Site Releases for PBTs (pounds per year)

All PBTs for Total On-Site Releases

CAS Number	SUBSTANCE NAME	On-Site Releases (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	9,891.51	77.28 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	1,746.11	13.64 %
7439-97-6 & N458	MERCURY & COMPOUNDS	789.87	6.17 %
118-74-1	HEXACHLOROBENZENE	135.00	1.05 %
191-24-2	BENZO(G,H,I)PERYLENE	118.66	0.93 %
608-93-5	PENTACHLOROBENZENE	60.40	0.47 %
57-74-9	CHLORDANE	41.00	0.32 %
76-44-8	HEPTACHLOR	16.00	0.13 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.70	0.01 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**12,799.24**	**100.00 %**

Top 10 Facilities for Total On-Site Releases of PBTs

FACILITY NAME (CITY)	COUNTY	On-Site Releases (pounds)	Percentage
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	2,662.00	20.80 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	1,228.60	9.60 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	1,176.01	9.19 %
ATLANTIC STATES CAST IRON PIPE CO. (PHILLIPSBURG)	WARREN	979.00	7.65 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	859.00	6.71 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	821.90	6.42 %
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	675.50	5.28 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	575.00	4.49 %
CONECTIV (BEESLEYS POINT)	CAPE MAY	528.63	4.13 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	476.00	3.72 %
	Sum of Top 10:	**9,981.64**	**77.99 %**
	Sum Other:	**2,817.61**	**22.01 %**
	Sum All:	**12,799.24**	**100.00 %**

Top 10 PBT Records for Total On-Site Releases

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Releases (pounds)
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	LEAD & COMPOUNDS	2,662.00
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	LEAD & COMPOUNDS	1,071.01
ATLANTIC STATES CAST IRON PIPE CO. (PHILLIPSBURG)	WARREN	LEAD & COMPOUNDS	921.00
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	LEAD & COMPOUNDS	838.00
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	POLYCYCLIC AROMATIC COMPOUNDS	768.91
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	LEAD & COMPOUNDS	675.50
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	LEAD & COMPOUNDS	507.00
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	LEAD & COMPOUNDS	381.00
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	LEAD & COMPOUNDS	336.00
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	281.00

Table 78. 2004 RPPR – Total Air Emissions for PBTs (pounds per year)

All PBTs for Total Air Emissions

CAS Number	SUBSTANCE NAME	Total Air Emissions (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	8,336.74	80.20 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	1,147.81	11.04 %
7439-97-6 & N458	MERCURY & COMPOUNDS	782.67	7.53 %
608-93-5	PENTACHLOROBENZENE	60.40	0.58 %
191-24-2	BENZO(G,H,I)PERYLENE	49.11	0.47 %
118-74-1	HEXACHLOROBENZENE	18.00	0.17 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.70	0.01 %
57-74-9	CHLORDANE	0.00	0.00 %
76-44-8	HEPTACHLOR	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**10,395.43**	**100.00 %**

Top 10 Facilities for Total Air Emissions of PBTs

FACILITY NAME (CITY)	COUNTY	Total Air Emissions (pounds)	Percentage
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	2,659.00	25.58 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	1,176.00	11.31 %
ATLANTIC STATES CAST IRON PIPE CO. (PHILLIPSBURG)	WARREN	979.00	9.42 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	859.00	8.26 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	571.00	5.49 %
CONECTIV (BEESLEYS POINT)	CAPE MAY	528.63	5.09 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	476.00	4.58 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	388.20	3.73 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	352.00	3.39 %
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	263.20	2.53 %
	Sum of Top 10:	**8,252.03**	**79.38 %**
	Sum Other:	**2,143.40**	**20.62 %**
	Sum All:	**10,395.43**	**100.00 %**

Top 10 PBT Records for Total Air Emissions

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Total Air Emissions (pounds)
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	LEAD & COMPOUNDS	2,659.00
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	LEAD & COMPOUNDS	1,071.00
ATLANTIC STATES CAST IRON PIPE CO. (PHILLIPSBURG)	WARREN	LEAD & COMPOUNDS	921.00
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	LEAD & COMPOUNDS	838.00
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	LEAD & COMPOUNDS	336.00
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	POLYCYCLIC AROMATIC COMPOUNDS	320.00
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	281.00
CONECTIV (BEESLEYS POINT)	CAPE MAY	LEAD & COMPOUNDS	277.50
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	LEAD & COMPOUNDS	258.00
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	POLYCYCLIC AROMATIC COMPOUNDS	226.50

Table 79. 2004 RPPR – Stack Air Emissions for PBTs (pounds per year)

All PBTs for Stack Air Emissions

CAS Number	SUBSTANCE NAME	Stack Air Emissions (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	7,955.40	82.09 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	836.62	8.63 %
7439-97-6 & N458	MERCURY & COMPOUNDS	782.37	8.07 %
608-93-5	PENTACHLOROBENZENE	60.40	0.62 %
191-24-2	BENZO(G,H,I)PERYLENE	40.84	0.42 %
118-74-1	HEXACHLOROBENZENE	15.00	0.15 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.24	0.00 %
57-74-9	CHLORDANE	0.00	0.00 %
76-44-8	HEPTACHLOR	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**9,690.87**	**100.00 %**

Top 10 Facilities for Stack Air Emissions of PBTs

FACILITY NAME (CITY)	COUNTY	Stack Air Emissions (pounds)	Percentage
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	2,659.00	27.44 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	1,015.00	10.47 %
ATLANTIC STATES CAST IRON PIPE CO. (PHILLIPSBURG)	WARREN	979.00	10.10 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	859.00	8.86 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	558.00	5.76 %
CONECTIV (BEESLEYS POINT)	CAPE MAY	528.63	5.45 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	476.00	4.91 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	352.00	3.63 %
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	262.10	2.70 %
PSEG POWER FOSSIL LLC (RIDGEFIELD)	BERGEN	205.00	2.12 %
	Sum of Top 10:	**7,893.73**	**81.46 %**
	Sum Other:	**1,797.14**	**18.54 %**
	Sum All:	**9,690.87**	**100.00 %**

Top 10 PBT Records for Stack Air Emissions

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Stack Air Emissions (pounds)
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	LEAD & COMPOUNDS	2,659.00
ATLANTIC STATES CAST IRON PIPE CO. (PHILLIPSBURG)	WARREN	LEAD & COMPOUNDS	921.00
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	LEAD & COMPOUNDS	910.00
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	LEAD & COMPOUNDS	838.00
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	LEAD & COMPOUNDS	336.00
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	281.00
CONECTIV (BEESLEYS POINT)	CAPE MAY	LEAD & COMPOUNDS	277.50
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	LEAD & COMPOUNDS	245.00
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	POLYCYCLIC AROMATIC COMPOUNDS	226.50
SAINT GOBAIN CONTAINERS (CARTERET)	MIDDLESEX	LEAD & COMPOUNDS	201.00

Table 80. 2004 RPPR – Fugitive Air Emissions for PBTs (pounds per year)

All PBTs for Fugitive Air Emissions

CAS Number	SUBSTANCE NAME	Fugitive Air Emissions (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	381.34	54.13 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	311.19	44.17 %
191-24-2	BENZO(G,H,I)PERYLENE	8.26	1.17 %
118-74-1	HEXACHLOROBENZENE	3.00	0.43 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.46	0.07 %
7439-97-6 & N458	MERCURY & COMPOUNDS	0.30	0.04 %
57-74-9	CHLORDANE	0.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
76-44-8	HEPTACHLOR	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**704.56**	**100.00 %**

Top 10 Facilities for Fugitive Air Emissions of PBTs

FACILITY NAME (CITY)	COUNTY	Fugitive Air Emissions (pounds)	Percentage
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	284.14	40.33 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	161.00	22.85 %
INTERNATIONAL PAINT, LLC (UNION)	UNION	56.00	7.95 %
VINELAND CITY (VINELAND)	CUMBERLAND	33.73	4.79 %
FRY'S METALS INC. (JERSEY CITY)	HUDSON	25.00	3.55 %
RIMTEC CORPORATION (BURLINGTON TOWNSHIP)	BURLINGTON	18.00	2.55 %
CUSTOM CHEMICALS CORPORATION (ELMWOOD PARK)	BERGEN	14.00	1.99 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	13.00	1.85 %
VICTAULIC COMPANY (FRANKLIN TOWNSHIP)	WARREN	13.00	1.85 %
CARY COMPOUNDS LLC (DAYTON)	MIDDLESEX	10.00	1.42 %
BREEN COLOR CONCENTRATES INC (WEST AMWELL TWP)	HUNTERDON	10.00	1.42 %
	Sum of Top 10:	**637.87**	**90.54 %**
	Sum Other:	**66.68**	**9.46 %**
	Sum All:	**704.56**	**100.00 %**

Top 10 PBT Records for Fugitive Air Emissions

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Fugitive Air Emissions (pounds)
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	POLYCYCLIC AROMATIC COMPOUNDS	276.00
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	LEAD & COMPOUNDS	161.00
INTERNATIONAL PAINT, LLC (UNION)	UNION	LEAD & COMPOUNDS	56.00
VINELAND CITY (VINELAND)	CUMBERLAND	POLYCYCLIC AROMATIC COMPOUNDS	33.59
FRY'S METALS INC. (JERSEY CITY)	HUDSON	LEAD & COMPOUNDS	25.00
RIMTEC CORPORATION (BURLINGTON TOWNSHIP)	BURLINGTON	LEAD & COMPOUNDS	18.00
CUSTOM CHEMICALS CORPORATION (ELMWOOD PARK)	BERGEN	LEAD & COMPOUNDS	14.00
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	LEAD & COMPOUNDS	13.00
VICTAULIC COMPANY (FRANKLIN TOWNSHIP)	WARREN	LEAD & COMPOUNDS	13.00
BREEN COLOR CONCENTRATES INC (WEST AMWELL TWP)	HUNTERDON	LEAD & COMPOUNDS	10.00
CARY COMPOUNDS LLC (DAYTON)	MIDDLESEX	LEAD & COMPOUNDS	10.00
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	LEAD & COMPOUNDS	9.00

Table 81. 2004 RPPR – Surface Water Discharges for PBTs (pounds per year)

All PBTs for Surface Water Discharges

CAS Number	SUBSTANCE NAME	Surface Water Discharges (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	130.77	42.36 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	84.39	27.34 %
118-74-1	HEXACHLOROBENZENE	43.00	13.93 %
57-74-9	CHLORDANE	35.00	11.34 %
76-44-8	HEPTACHLOR	9.00	2.92 %
7439-97-6 & N458	MERCURY & COMPOUNDS	6.50	2.11 %
191-24-2	BENZO(G,H,I)PERYLENE	0.06	0.02 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**308.72**	**100.00 %**

Top 10 Facilities for Surface Water Discharges of PBTs

FACILITY NAME (CITY)	COUNTY	Surface Water Discharges (pounds)	Percentage
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	229.20	74.24 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	27.00	8.75 %
VINELAND CITY (VINELAND)	CUMBERLAND	24.56	7.96 %
FRANKLIN BURLINGTON PLASTICS INC (KEARNY)	HUDSON	4.91	1.59 %
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	4.00	1.30 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	4.00	1.30 %
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	3.00	0.97 %
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	3.00	0.97 %
ALUMINUM SHAPES LLC (PENNSAUKEN)	CAMDEN	2.70	0.87 %
CHEVRON PRODUCTS COMPANY (PERTH AMBOY)	MIDDLESEX	2.60	0.84 %
	Sum of Top 10:	**304.97**	**98.79 %**
	Sum Other:	**3.75**	**1.21 %**
	Sum All:	**308.72**	**100.00 %**

Top 10 PBT Records for Surface Water Discharges

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Surface Water Discharges (pounds)
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	LEAD & COMPOUNDS	80.00
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	POLYCYCLIC AROMATIC COMPOUNDS	61.00
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	HEXACHLOROBENZENE	39.00
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	CHLORDANE	35.00
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	LEAD & COMPOUNDS	27.00
VINELAND CITY (VINELAND)	CUMBERLAND	POLYCYCLIC AROMATIC COMPOUNDS	22.49
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	HEPTACHLOR	9.00
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	MERCURY & COMPOUNDS	5.20
FRANKLIN BURLINGTON PLASTICS INC (KEARNY)	HUDSON	LEAD & COMPOUNDS	4.91
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	LEAD & COMPOUNDS	4.00
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	HEXACHLOROBENZENE	4.00

Table 82. 2004 RPPR – On-Site Land Disposal for PBTs (pounds per year)

All PBTs for On-Site Land Disposal

CAS Number	SUBSTANCE NAME	On-Site Land Disposal (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	1,424.00	67.97 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	513.91	24.53 %
118-74-1	HEXACHLOROBENZENE	74.00	3.53 %
191-24-2	BENZO(G,H,I)PERYLENE	69.49	3.32 %
76-44-8	HEPTACHLOR	7.00	0.33 %
57-74-9	CHLORDANE	6.00	0.29 %
7439-97-6 & N458	MERCURY & COMPOUNDS	0.70	0.03 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**2,095.10**	**100.00 %**

All Facilities for On-Site Land Disposal of PBTs

FACILITY NAME (CITY)	COUNTY	On-Site Land Disposal (pounds)	Percentage
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	840.40	40.11 %
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	675.00	32.22 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	579.70	27.67 %
	Sum of All:	**2,095.10**	**100.00 %**

Top 10 PBT Records for On-Site Land Disposal

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Land Disposal (pounds)
3 M CORPORATION (MONTGOMERY TWP)	SOMERSET	LEAD & COMPOUNDS	675.00
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	POLYCYCLIC AROMATIC COMPOUNDS	448.91
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	LEAD & COMPOUNDS	427.00
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	LEAD & COMPOUNDS	322.00
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	HEXACHLOROBENZENE	74.00
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	BENZO(G,H,I)PERYLENE	69.49
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	POLYCYCLIC AROMATIC COMPOUNDS	65.00
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	HEPTACHLOR	7.00
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	CHLORDANE	6.00
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	MERCURY & COMPOUNDS	0.70

Table 83. 2004 RPPR – Total Off-Site Transfers for PBTs (pounds per year)

All PBTs for Total Off-Site Transfers

CAS Number	SUBSTANCE NAME	Off-Site Transfers (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	15,144,892.33	99.94 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	4,005.13	0.03 %
118-74-1	HEXACHLOROBENZENE	2,857.00	0.02 %
7439-97-6 & N458	MERCURY & COMPOUNDS	2,853.65	0.02 %
191-24-2	BENZO(G,H,I)PERYLENE	92.97	0.00 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	36.00	0.00 %
57-74-9	CHLORDANE	5.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
76-44-8	HEPTACHLOR	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**15,154,742.09**	**100.00 %**

Top 10 Facilities for Total Off-Site Transfers of PBTs

FACILITY NAME (CITY)	COUNTY	Off-Site Transfers (pounds)	Percentage
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	11,666,609.00	76.98 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	763,499.00	5.04 %
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	606,959.00	4.01 %
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	552,562.00	3.65 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	295,914.00	1.95 %
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	295,705.00	1.95 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	140,727.53	0.93 %
PRUDENT PUBLISHING CO INC (LANDING)	MORRIS	110,995.92	0.73 %
FRY'S METALS INC. (JERSEY CITY)	HUDSON	101,300.00	0.67 %
MADISON INDUSTRIES INC (OLD BRIDGE TWP)	MIDDLESEX	74,650.00	0.49 %
	Sum of Top 10:	**14,608,921.45**	**96.40 %**
	Sum Other:	**545,820.64**	**3.60 %**
	Sum All:	**15,154,742.09**	**100.00 %**

Top 10 PBT Records for Total Off-Site Transfers

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Transfers (pounds)
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	LEAD & COMPOUNDS	11,666,609.00
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	LEAD & COMPOUNDS	763,449.00
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	LEAD & COMPOUNDS	606,959.00
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	LEAD & COMPOUNDS	552,562.00
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	295,914.00
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	LEAD & COMPOUNDS	295,620.00
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	LEAD & COMPOUNDS	140,692.53
PRUDENT PUBLISHING CO INC (LANDING)	MORRIS	LEAD & COMPOUNDS	110,995.92
FRY'S METALS INC. (JERSEY CITY)	HUDSON	LEAD & COMPOUNDS	101,300.00
MADISON INDUSTRIES INC (OLD BRIDGE TWP)	MIDDLESEX	LEAD & COMPOUNDS	74,650.00

Table 84. 2004 RPPR – POTW Discharges for PBTs (pounds per year)

All PBTs for POTW Discharges

CAS Number	SUBSTANCE NAME	POTW Discharges (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	5,729.02	99.54 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	26.00	0.45 %
7439-97-6 & N458	MERCURY & COMPOUNDS	0.42	0.01 %
118-74-1	HEXACHLOROBENZENE	0.00	0.00 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.00	0.00 %
191-24-2	BENZO(G,H,I)PERYLENE	0.00	0.00 %
57-74-9	CHLORDANE	0.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
76-44-8	HEPTACHLOR	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**5,755.44**	**100.00 %**

Top 10 Facilities for POTW Discharges of PBTs

FACILITY NAME (CITY)	COUNTY	POTW Discharges (pounds)	Percentage
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	5,621.00	97.66 %
ATLANTIC WOOD INDUSTRIES INC. (HAINESPORT)	BURLINGTON	26.00	0.45 %
GENERAL MOTORS CORPORATION (LINDEN)	UNION	18.00	0.31 %
THE OKONITE COMPANY, INC (PATERSON)	PASSAIC	13.10	0.23 %
LENOX CHINA (POMONA)	ATLANTIC	11.40	0.20 %
POWER BATTERY CO INC (PATERSON)	PASSAIC	10.00	0.17 %
CARY COMPOUNDS LLC (DAYTON)	MIDDLESEX	10.00	0.17 %
OXFORD SUPERCONDUCTING TECHNOLOGY (CARTERET)	MIDDLESEX	10.00	0.17 %
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	8.00	0.14 %
UNION CARBIDE CORPORATION (PISCATAWAY TWP)	MIDDLESEX	7.00	0.12 %
	Sum of Top 10:	**5,734.50**	**99.64 %**
	Sum Other:	**20.94**	**0.36 %**
	Sum All:	**5,755.44**	**100.00 %**

Top 10 PBT Records for POTW Discharges

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	POTW Discharges (pounds)
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	LEAD & COMPOUNDS	5,621.00
ATLANTIC WOOD INDUSTRIES INC. (HAINESPORT)	BURLINGTON	POLYCYCLIC AROMATIC COMPOUNDS	26.00
GENERAL MOTORS CORPORATION (LINDEN)	UNION	LEAD & COMPOUNDS	18.00
THE OKONITE COMPANY, INC (PATERSON)	PASSAIC	LEAD & COMPOUNDS	13.10
LENOX CHINA (POMONA)	ATLANTIC	LEAD & COMPOUNDS	11.40
CARY COMPOUNDS LLC (DAYTON)	MIDDLESEX	LEAD & COMPOUNDS	10.00
OXFORD SUPERCONDUCTING TECHNOLOGY (CARTERET)	MIDDLESEX	LEAD & COMPOUNDS	10.00
POWER BATTERY CO INC (PATERSON)	PASSAIC	LEAD & COMPOUNDS	10.00
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	LEAD & COMPOUNDS	8.00
UNION CARBIDE CORPORATION (PISCATAWAY TWP)	MIDDLESEX	LEAD & COMPOUNDS	7.00
U S CASTINGS CORPORATION (UNION CITY)	HUDSON	LEAD & COMPOUNDS	6.00
GGB, LLC (THOROFARE)	GLOUCESTER	LEAD & COMPOUNDS	3.05

Table 85. 2004 RPPR – Off-Site Recycling for PBTs (pounds per year)

All PBTs for Off-Site Recycling

CAS Number	SUBSTANCE NAME	Off-Site Recycling (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	14,601,194.97	99.98 %
7439-97-6 & N458	MERCURY & COMPOUNDS	2,307.47	0.02 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	383.97	0.00 %
191-24-2	BENZO(G,H,I)PERYLENE	3.75	0.00 %
118-74-1	HEXACHLOROBENZENE	0.00	0.00 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.00	0.00 %
57-74-9	CHLORDANE	0.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
76-44-8	HEPTACHLOR	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**14,603,890.15**	**100.00 %**

Top 10 Facilities for Off-Site Recycling of PBTs

FACILITY NAME (CITY)	COUNTY	Off-Site Recycling (pounds)	Percentage
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	11,666,601.00	79.89 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	763,499.00	5.23 %
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	606,959.00	4.16 %
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	552,562.00	3.78 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	295,914.00	2.03 %
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	135,100.80	0.93 %
PRUDENT PUBLISHING CO INC (LANDING)	MORRIS	110,995.92	0.76 %
FRY'S METALS INC. (JERSEY CITY)	HUDSON	101,300.00	0.69 %
THE OKONITE COMPANY, INC (PATERSON)	PASSAIC	72,635.00	0.50 %
POWER BATTERY CO INC (PATERSON)	PASSAIC	63,203.00	0.43 %
	Sum of Top 10:	**14,368,769.72**	**98.39 %**
	Sum Other:	**235,120.43**	**1.61 %**
	Sum All:	**14,603,890.15**	**100.00 %**

Top 10 PBT Records for Off-Site Recycling

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Recycling (pounds)
DELPHI CORPORATION (NEW BRUNSWICK)	MIDDLESEX	LEAD & COMPOUNDS	11,666,601.00
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	LEAD & COMPOUNDS	763,449.00
ELECTRUM RECOVERY WORKS INC (RAHWAY)	UNION	LEAD & COMPOUNDS	606,959.00
ATLANTIC BATTERY CORP. (PATERSON)	PASSAIC	LEAD & COMPOUNDS	552,562.00
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	295,914.00
GRIFFIN PIPE PRODUCTS CO. (FLORENCE)	BURLINGTON	LEAD & COMPOUNDS	135,065.80
PRUDENT PUBLISHING CO INC (LANDING)	MORRIS	LEAD & COMPOUNDS	110,995.92
FRY'S METALS INC. (JERSEY CITY)	HUDSON	LEAD & COMPOUNDS	101,300.00
THE OKONITE COMPANY, INC (PATERSON)	PASSAIC	LEAD & COMPOUNDS	72,635.00
POWER BATTERY CO INC (PATERSON)	PASSAIC	LEAD & COMPOUNDS	63,203.00

Table 86. 2004 RPPR – Off-Site Energy Recovery for PBTs (pounds per year)

All PBTs for Off-Site Energy Recovery

CAS Number	SUBSTANCE NAME	Off-Site Energy Recovery (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	7,066.02	94.52 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	408.20	5.46 %
7439-97-6 & N458	MERCURY & COMPOUNDS	1.00	0.01 %
191-24-2	BENZO(G,H,I)PERYLENE	0.40	0.01 %
118-74-1	HEXACHLOROBENZENE	0.00	0.00 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.00	0.00 %
57-74-9	CHLORDANE	0.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
76-44-8	HEPTACHLOR	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**7,475.62**	**100.00 %**

All Facilities for Off-Site Energy Recovery of PBTs

FACILITY NAME (CITY)	COUNTY	Off-Site Energy Recovery (pounds)	Percentage
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	7,022.00	93.93 %
ATLANTIC WOOD INDUSTRIES INC. (HAINESPORT)	BURLINGTON	366.00	4.90 %
SEMMATERIALS LP (GLOUCESTER CITY)	CAMDEN	42.00	0.56 %
ENGLERT, INC. (PERTH AMBOY)	MIDDLESEX	22.00	0.29 %
SPARTECH PEP (NEWARK)	ESSEX	18.72	0.25 %
BASF CORPORATION (BELVIDERE)	WARREN	4.00	0.05 %
PSEG FOSSIL LLC (SEWAREN)	MIDDLESEX	0.40	0.01 %
FISHER SCIENTIFIC COMPANY L L C (SOMERVILLE)	SOMERSET	0.30	0.00 %
US INK A DIV OF SUN CHEMICAL CORP. (EAST RUTHERFORD)	BERGEN	0.20	0.00 %
	Sum of All:	**7,475.62**	**100.00 %**

Top 10 PBT Records for Off-Site Energy Recovery

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	ff-Site Energy Recovery (pounds)
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	LEAD & COMPOUNDS	7,021.00
ATLANTIC WOOD INDUSTRIES INC. (HAINESPORT)	BURLINGTON	POLYCYCLIC AROMATIC COMPOUNDS	366.00
SEMMATERIALS LP (GLOUCESTER CITY)	CAMDEN	POLYCYCLIC AROMATIC COMPOUNDS	41.60
ENGLERT, INC. (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	22.00
SPARTECH PEP (NEWARK)	ESSEX	LEAD & COMPOUNDS	18.72
BASF CORPORATION (BELVIDERE)	WARREN	LEAD & COMPOUNDS	4.00
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	MERCURY & COMPOUNDS	1.00
PSEG FOSSIL LLC (SEWAREN)	MIDDLESEX	POLYCYCLIC AROMATIC COMPOUNDS	0.40
SEMMATERIALS LP (GLOUCESTER CITY)	CAMDEN	BENZO(G,H,I)PERYLENE	0.40
FISHER SCIENTIFIC COMPANY L L C (SOMERVILLE)	SOMERSET	LEAD & COMPOUNDS	0.30
US INK A DIV OF SUN CHEMICAL CORP. (EAST RUTHERFORD)	BERGEN	POLYCYCLIC AROMATIC COMPOUNDS	0.20

Table 87. 2004 RPPR – Off-Site Treatment for PBTs (pounds per year)

All PBTs for Off-Site Treatment

CAS Number	SUBSTANCE NAME	Off-Site Treatment (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	79,958.23	96.39 %
118-74-1	HEXACHLOROBENZENE	2,772.00	3.34 %
7439-97-6 & N458	MERCURY & COMPOUNDS	163.72	0.20 %
191-24-2	BENZO(G,H,I)PERYLENE	28.78	0.03 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	19.33	0.02 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	12.00	0.01 %
57-74-9	CHLORDANE	0.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
76-44-8	HEPTACHLOR	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**82,954.06**	**100.00 %**

Top 10 Facilities for Off-Site Treatment of PBTs

FACILITY NAME (CITY)	COUNTY	Off-Site Treatment (pounds)	Percentage
MADISON INDUSTRIES INC (OLD BRIDGE TWP)	MIDDLESEX	74,650.00	89.99 %
CYCLE CHEM., INC. (ELIZABETH)	UNION	4,212.00	5.08 %
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	2,772.00	3.34 %
ORBEL CORPORATION (PHILLIPSBURG)	WARREN	456.00	0.55 %
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	387.90	0.47 %
BASF CORPORATION (BELVIDERE)	WARREN	136.05	0.16 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	111.28	0.13 %
FISHER SCIENTIFIC COMPANY LLC (FAIR LAWN)	BERGEN	65.30	0.08 %
FRANKLIN BURLINGTON PLASTICS INC (KEARNY)	HUDSON	53.58	0.06 %
CITGO ASPHALT REFINING CO. (WEST DEPTFORD TWP)	GLOUCESTER	32.00	0.04 %
	Sum of Top 10:	**82,876.11**	**99.91 %**
	Sum Other:	**77.95**	**0.09 %**
	Sum All:	**82,954.06**	**100.00 %**

Top 10 PBT Records for Off-Site Treatment

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Treatment (pounds)
MADISON INDUSTRIES INC (OLD BRIDGE TWP)	MIDDLESEX	LEAD & COMPOUNDS	74,650.00
CYCLE CHEM., INC. (ELIZABETH)	UNION	LEAD & COMPOUNDS	4,212.00
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	HEXACHLOROBENZENE	2,772.00
ORBEL CORPORATION (PHILLIPSBURG)	WARREN	LEAD & COMPOUNDS	456.00
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	LEAD & COMPOUNDS	359.50
BASF CORPORATION (BELVIDERE)	WARREN	LEAD & COMPOUNDS	136.05
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	MERCURY & COMPOUNDS	96.36
FRANKLIN BURLINGTON PLASTICS INC (KEARNY)	HUDSON	LEAD & COMPOUNDS	53.58
FISHER SCIENTIFIC COMPANY LLC (FAIR LAWN)	BERGEN	MERCURY & COMPOUNDS	37.06
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	MERCURY & COMPOUNDS	28.40

Table 88. 2004 RPPR – Off-Site Disposal for PBTs (pounds per year)

All PBTs for Off-Site Disposal

CAS Number	SUBSTANCE NAME	Off-Site Disposal (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	450,944.09	99.18 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	3,167.63	0.70 %
7439-97-6 & N458	MERCURY & COMPOUNDS	381.04	0.08 %
118-74-1	HEXACHLOROBENZENE	85.00	0.02 %
191-24-2	BENZO(G,H,I)PERYLENE	60.05	0.01 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	24.01	0.01 %
57-74-9	CHLORDANE	5.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
76-44-8	HEPTACHLOR	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**454,666.82**	**100.00 %**

Top 10 Facilities for Off-Site Disposal of PBTs

FACILITY NAME (CITY)	COUNTY	Off-Site Disposal (pounds)	Percentage
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	286,950.00	63.11 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	47,071.30	10.35 %
GGB, LLC (THOROFARE)	GLOUCESTER	30,246.40	6.65 %
CRYSTEX COMPOSITES (CLIFTON)	PASSAIC	22,499.00	4.95 %
OLD BRIDGE CHEMICALS INC (OLD BRIDGE TWP)	MIDDLESEX	17,850.00	3.93 %
CYCLE CHEM., INC. (ELIZABETH)	UNION	14,311.00	3.15 %
DURAND GLASS MANUFACTURING COMPANY INC (MILLVILLE)	CUMBERLAND	5,400.00	1.19 %
ATLANTIC STATES CAST IRON PIPE CO. (PHILLIPSBURG)	WARREN	3,553.20	0.78 %
CUSTOM CHEMICALS CORPORATION (ELMWOOD PARK)	BERGEN	3,253.00	0.72 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	3,227.70	0.71 %
	Sum of Top 10:	**434,361.60**	**95.53 %**
	Sum Other:	**20,305.22**	**4.47 %**
	Sum All:	**454,666.82**	**100.00 %**

Top 10 PBT Records for Off-Site Disposal

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Off-Site Disposal (pounds)
CLEAN EARTH OF NORTH JERSEY (KEARNY)	HUDSON	LEAD & COMPOUNDS	286,867.00
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	LEAD & COMPOUNDS	47,057.00
GGB, LLC (THOROFARE)	GLOUCESTER	LEAD & COMPOUNDS	30,246.40
CRYSTEX COMPOSITES (CLIFTON)	PASSAIC	LEAD & COMPOUNDS	22,499.00
OLD BRIDGE CHEMICALS INC (OLD BRIDGE TWP)	MIDDLESEX	LEAD & COMPOUNDS	17,850.00
CYCLE CHEM., INC. (ELIZABETH)	UNION	LEAD & COMPOUNDS	14,311.00
DURAND GLASS MANUFACTURING COMPANY INC (MILLVILLE)	CUMBERLAND	LEAD & COMPOUNDS	5,400.00
ATLANTIC STATES CAST IRON PIPE CO. (PHILLIPSBURG)	WARREN	LEAD & COMPOUNDS	3,553.00
CUSTOM CHEMICALS CORPORATION (ELMWOOD PARK)	BERGEN	LEAD & COMPOUNDS	3,253.00
STONCOR GROUP, INC. (MAPLE SHADE)	BURLINGTON	LEAD & COMPOUNDS	2,936.00

Table 89. 2004 RPPR – On-Site Management for PBTs (pounds per year)

All PBTs for On-Site Management

CAS Number	SUBSTANCE NAME	On-Site Management (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	1,725,168.70	99.79 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	3,202.50	0.19 %
118-74-1	HEXACHLOROBENZENE	389.00	0.02 %
191-24-2	BENZO(G,H,I)PERYLENE	62.64	0.00 %
57-74-9	CHLORDANE	12.00	0.00 %
76-44-8	HEPTACHLOR	2.00	0.00 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
7439-97-6 & N458	MERCURY & COMPOUNDS	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**1,728,836.84**	**100.00 %**

Top 10 Facilities for On-Site Management of PBTs

FACILITY NAME (CITY)	COUNTY	On-Site Management (pounds)	Percentage
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	1,665,589.00	96.34 %
KEARNY SMELTING & REFINING CORP. (KEARNY)	HUDSON	31,220.00	1.81 %
MYRON MANUFACTURING CORP. (MAYWOOD)	BERGEN	22,275.00	1.29 %
U S CASTINGS CORPORATION (UNION CITY)	HUDSON	3,400.00	0.20 %
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	2,242.54	0.13 %
BREEN COLOR CONCENTRATES INC (WEST AMWELL TWP)	HUNTERDON	1,906.00	0.11 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	1,389.00	0.08 %
ADVANCED CERAMETRICS INC. (LAMBERTVILLE)	HUNTERDON	332.00	0.02 %
CNT (LUMBERTON)	BURLINGTON	275.00	0.02 %
CARDINAL COLOR & CHEMICAL INC (PATERSON)	PASSAIC	120.00	0.01 %
	Sum of Top 10:	**1,728,748.54**	**99.99 %**
	Sum Other:	**88.30**	**0.01 %**
	Sum All:	**1,728,836.84**	**100.00 %**

Top 10 PBT Records for On-Site Management

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Management (pounds)
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	1,665,589.00
KEARNY SMELTING & REFINING CORP. (KEARNY)	HUDSON	LEAD & COMPOUNDS	31,220.00
MYRON MANUFACTURING CORP. (MAYWOOD)	BERGEN	LEAD & COMPOUNDS	22,275.00
U S CASTINGS CORPORATION (UNION CITY)	HUDSON	LEAD & COMPOUNDS	3,400.00
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	POLYCYCLIC AROMATIC COMPOUNDS	2,180.00
BREEN COLOR CONCENTRATES INC (WEST AMWELL TWP)	HUNTERDON	LEAD & COMPOUNDS	1,855.00
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	POLYCYCLIC AROMATIC COMPOUNDS	987.00
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	HEXACHLOROBENZENE	388.00
ADVANCED CERAMETRICS INC. (LAMBERTVILLE)	HUNTERDON	LEAD & COMPOUNDS	332.00
CNT (LUMBERTON)	BURLINGTON	LEAD & COMPOUNDS	275.00

Table 90. 2004 RPPR – On-Site Recycling for PBTs (pounds per year)

All PBTs for On-Site Recycling

CAS Number	SUBSTANCE NAME	On-Site Recycling (pounds)	Percentage
7439-92-1 & N420	LEAD & COMPOUNDS	1,725,169	100.00 %
N590	POLYCYCLIC AROMATIC COMPOUNDS	36	0.00 %
191-24-2	BENZO(G,H,I)PERYLENE	0	0.00 %
118-74-1	HEXACHLOROBENZENE	0	0.00 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0	0.00 %
57-74-9	CHLORDANE	0	0.00 %
608-93-5	PENTACHLOROBENZENE	0	0.00 %
7439-97-6 & N458	MERCURY & COMPOUNDS	0	0.00 %
76-44-8	HEPTACHLOR	0	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0	0.00 %
	Sum of All:	**1,725,204**	**100.00 %**

Top 10 Facilities for On-Site Recycling of PBTs

FACILITY NAME (CITY)	COUNTY	On-Site Recycling (pounds)	Percentage
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	1,665,589	96.54 %
KEARNY SMELTING & REFINING CORP. (KEARNY)	HUDSON	31,220	1.81 %
MYRON MANUFACTURING CORP. (MAYWOOD)	BERGEN	22,275	1.29 %
U S CASTINGS CORPORATION (UNION CITY)	HUDSON	3,400	0.20 %
BREEN COLOR CONCENTRATES INC (WEST AMWELL TWP)	HUNTERDON	1,906	0.11 %
ADVANCED CERAMETRICS INC. (LAMBERTVILLE)	HUNTERDON	332	0.02 %
CNT (LUMBERTON)	BURLINGTON	275	0.02 %
CARDINAL COLOR & CHEMICAL INC (PATERSON)	PASSAIC	120	0.01 %
CHEVRON PRODUCTS COMPANY (PERTH AMBOY)	MIDDLESEX	36	0.00 %
CVG PRODUCT SERVICES INC (PENNSAUKEN)	CAMDEN	24	0.00 %
	Sum of Top 10:	**1,725,177**	**100.00 %**
	Sum Other:	**28**	**0.00 %**
	Sum All:	**1,725,204**	**100.00 %**

Top 10 PBT Records for On-Site Recycling

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	On-Site Recycling (pounds)
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	LEAD & COMPOUNDS	1,665,589.00
KEARNY SMELTING & REFINING CORP. (KEARNY)	HUDSON	LEAD & COMPOUNDS	31,220.00
MYRON MANUFACTURING CORP. (MAYWOOD)	BERGEN	LEAD & COMPOUNDS	22,275.00
U S CASTINGS CORPORATION (UNION CITY)	HUDSON	LEAD & COMPOUNDS	3,400.00
BREEN COLOR CONCENTRATES INC (WEST AMWELL TWP)	HUNTERDON	LEAD & COMPOUNDS	1,906.00
ADVANCED CERAMETRICS INC. (LAMBERTVILLE)	HUNTERDON	LEAD & COMPOUNDS	332.00
CNT (LUMBERTON)	BURLINGTON	LEAD & COMPOUNDS	275.00
CARDINAL COLOR & CHEMICAL INC (PATERSON)	PASSAIC	LEAD & COMPOUNDS	120.00
CHEVRON PRODUCTS COMPANY (PERTH AMBOY)	MIDDLESEX	POLYCYCLIC AROMATIC COMPOUNDS	35.50
CVG PRODUCT SERVICES INC (PENNSAUKEN)	CAMDEN	LEAD & COMPOUNDS	24.00

Table 91. 2004 RPPR – On-Site Treatment for PBTs (pounds per year)

All PBTs for On-Site Treatment

CAS Number	SUBSTANCE NAME	Destroyed On-Site (pounds)	Percentage
N590	POLYCYCLIC AROMATIC COMPOUNDS	3,167.00	87.18 %
118-74-1	HEXACHLOROBENZENE	389.00	10.71 %
191-24-2	BENZO(G,H,I)PERYLENE	62.54	1.72 %
57-74-9	CHLORDANE	12.00	0.33 %
76-44-8	HEPTACHLOR	2.00	0.06 %
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)	0.00	0.00 %
608-93-5	PENTACHLOROBENZENE	0.00	0.00 %
7439-92-1 & N420	LEAD & COMPOUNDS	0.00	0.00 %
7439-97-6 & N458	MERCURY & COMPOUNDS	0.00	0.00 %
79-94-7	TETRABROMOBISPHENOL A	0.00	0.00 %
	Sum of All:	**3,632.54**	**100.00 %**

All Facilities for On-Site Treatment of PBTs

FACILITY NAME (CITY)	COUNTY	Destroyed On-Site (pounds)	Percentage
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	2,242.54	61.73 %
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	1,389.00	38.24 %
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	1.00	0.03 %
	Sum of All:	**3,632.54**	**100.00 %**

All PBT Records for On-Site Treatment

FACILITY NAME (CITY)	COUNTY	SUBSTANCE NAME	Destroyed On-Site (pounds)
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	POLYCYCLIC AROMATIC COMPOUNDS	2,180.00
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	POLYCYCLIC AROMATIC COMPOUNDS	987.00
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	HEXACHLOROBENZENE	388.00
AMERADA HESS PORT READING CORPORATION (PORT READING)	MIDDLESEX	BENZO(G,H,I)PERYLENE	62.54
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	CHLORDANE	12.00
E I DUPONT DE NEMOURS & CO INC (PENNSVILLE)	SALEM	HEPTACHLOR	2.00
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	HEXACHLOROBENZENE	1.00

D. Chemicals of Concern - Dioxin and Dioxin-like Compounds

Polychlorinated dibenzo-para(p)-dioxins (CDDs) and polychlorinated dibenzofurans (CDFs) constitute a group of PBTs that are termed "dioxin-like." The term "dioxin-like" refers to the fact that these compounds have similar chemical structures, similar physical-chemical properties, and invoke a common battery of toxic responses. An important aspect of this definition is that the CDDs and CDFs must have chlorine substitution of hydrogen atoms at the 2, 3, 7, and 8 positions on the benzene rings.[4]

The term "dioxin" refers to a large family of compounds that includes 17 compounds (7 CDDs and 10 CDFs) of particular interest because it is thought that these compounds have similar mechanisms of toxicity. Nevertheless, the toxicity of dioxins varies greatly, with the most toxic compound estimated to be 10,000 times more potent than the least toxic. Dioxins occur as complex mixtures of these 17 family member compounds. See Appendix F for a list of the 17 chemicals that the phrase "dioxin and dioxin-like compounds" refers to throughout this report.

Dioxin is an unwanted by-product of incineration, uncontrolled burning and certain industrial processes. As dioxin emissions from industry decline, unregulated sources such as backyard barrel burning of garbage and residential wood burning rise in significance as contributors to dioxin emissions. Backyard burning of trash is now considered to be the #1 Dioxin source![5] New Jersey's air pollution regulations do not permit backyard burning of residential waste.

1. What's in a name?

"Dioxin" is a shortened version of the technical chemical name given to some of the family member compounds. These compounds contain two oxygen atoms in their chemical structure, hence, "di" refers to two and "ox" refers to oxygen. Figure 5 shows the structure of the most toxic form of dioxin, 2,3,7,8-tetrachlorodibenzo-*p*-dioxin (the numbers indicate the locations of chlorine atoms in the molecule.).

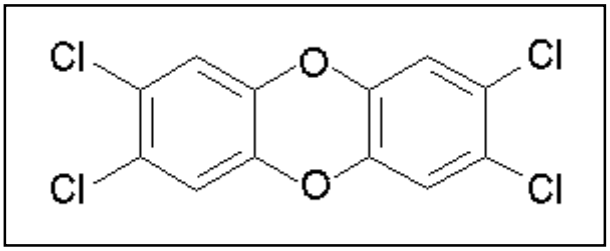


Figure 5. Chemical structure of 2,3,7,8-tetrachlorodibenzo-p-dioxin (2,3,7,8-TCDD)

4 USEPA, Emergency Planning and Community Right-To-Know Act – Section 313: Guidance for Reporting Toxic Chemicals within the Dioxin and Dioxin-like Compounds Category; EPA-745-B00-021, December 2000.

5 http://www.dioxinfacts.org/sources_trends/sources.html

2. Throughput Data Summary for Dioxins

The dioxin compounds category is the one unique group on the substance list that is reported in grams, or fractions of a gram, per year. As with the other PBTs, they may be reported to four significant figures to the right of the decimal place. Table 92 presents a summary of the 2004 materials accounting data for the 15 facilities that reported the dioxin compounds category. Table 93 presents the dioxin throughput data by county. Table 94 presents the dioxin throughput data by industry (SIC Code). The Chemical Manufacturing sector accounts for the largest use and generation of dioxins with one facility – Solutia - representing 60% of the total use (Table 95).

Table 96 shows that 14 of the 15 facilities reported the manufacture of dioxins with Solutia reporting 63 % of the quantity. One facility - United States Pipe and Foundry Co, Burlington – reported 4.27 grams of dioxins brought on site. One facility – Solutia Inc., Bridgeport – reported 95.70 grams shipped as (or in) product. No facilities reported dioxins consumed in processes.

Table 92. Materials Accounting Data for Dioxins and Dioxin-like Compounds (in grams)

	2004
Number of Facilities	15
Number of Substance Reports	15
Starting Inventory (SI)	20.3160
Starting Inventory as NPO	1.4720
Manufactured	167.0605
Brought on Site	4.2700
Brought on Site as Recycled	4.2700
Consumed	0.0000
Shipped	95.6980
Ending Inventory (EI)	27.5018
Ending Inventory as NPO	1.1478
Nonproduct Output (NPO)	68.1137
On-Site Releases	31.1476
Stack Air Emissions	30.7623
Fugitive Air Emissions	0.2053
Surface Water Discharge	0.1800
Ground Water Discharge	0.0000
Land Disposal on-site	0.0000
On-Site Management	0.0000
Recycled & Reused on-site	0.0000
Energy Recovered on-site	0.0000
Destroyed on-site	0.0000
EI (as NPO) -- SI (as NPO)	0.3242
Off-Site Transfers	37.2903
POTW Discharge	0.0000
Waste Transfer - Recycling	0.8700
Waste Transfer - Energy Recovery	0.0000
Waste Transfer - Treatment	4.8460
Waste Transfer - Disposal	31.5743
Total Substance USE or Throughput	163.8117

Table 93. 2004 RPPR Throughput Data for Dioxins Reported by New Jersey Facilities
(ordered alphabetically by county; throughput reported in grams per year)

		INPUTS				OUTPUTS				
COUNTY	# of Facilities	Starting Inventory	Manufactured	Brought on Site	Recycled & Reused on-site	Consumed	Shipped as (or in) Product	Ending Inventory	Nonproduct Output	USE
BURLINGTON	1	0.3600	0.0000	4.2700	0.0000	0.0000	0.0000	0.7900	4.2700	**4.2700**
CAMDEN	1	0.3600	20.5289	0.0000	0.0000	0.0000	0.0000	0.3578	20.5289	**20.5289**
CAPE MAY	1	0.0000	0.9030	0.0000	0.0000	0.0000	0.0000	0.0000	0.9030	**0.9030**
CUMBERLAND	1	0.0000	0.8100	0.0000	0.0000	0.0000	0.0000	0.0000	0.8100	**0.8100**
GLOUCESTER	3	17.8060	107.2696	0.0000	0.0000	0.0000	95.6980	24.5640	4.0616	**99.7596**
HUDSON	1	0.0000	0.2680	0.0000	0.0000	0.0000	0.0000	0.0000	0.2680	**0.2680**
MERCER	1	0.0000	0.1700	0.0000	0.0000	0.0000	0.0000	0.0000	0.1700	**0.1700**
MIDDLESEX	3	0.0000	25.5300	0.0000	0.0000	0.0000	0.0000	0.0000	25.5300	**25.5300**
SALEM	2	0.0000	0.2810	0.0000	0.0000	0.0000	0.0000	0.0000	0.2810	**0.2810**
UNION	1	1.7900	11.3000	0.0000	0.0000	0.0000	0.0000	1.7900	11.2912	**11.2912**
SUM:	**15**	**20.3160**	**167.0605**	**4.2700**	**0.0000**	**0.0000**	**95.6980**	**27.5018**	**68.1137**	**163.8117**

Table 94. 2004 RPPR Throughput Data for Dioxins Reported by New Jersey Facilities
(ordered numerically by SIC code; throughput reported in grams per year)

		INPUTS				OUTPUTS				
SIC CODE	# of Facilities	Starting Inventory	Manufactured	Brought On Site	Recycled & Re-Used On Site	Consumed	Shipped as (or in) Products	Ending Inventory	NPO	USE
28	**1**	17.8060	105.9790	0.0000	0.0000	0.0000	95.6980	24.5640	2.7710	**98.4690**
29	**2**	1.7900	11.6100	0.0000	0.0000	0.0000	0.0000	1.7900	11.6012	**11.6012**
33	**4**	0.7200	45.8489	4.2700	0.0000	0.0000	0.0000	1.1478	50.1189	**50.1189**
49	**8**	0.0000	3.6226	0.0000	0.0000	0.0000	0.0000	0.0000	3.6226	**3.6226**
SUM:	**15**	**20.3160**	**167.0605**	**4.2700**	**0.0000**	**0.0000**	**95.6980**	**27.5018**	**68.1137**	**163.8117**

Table 95. All Facilities for Dioxins Used in 2004 (grams per year)

FACILITY NAME (CITY)	COUNTY	USE (grams)	Percentage
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	98.47	60.11 %
STATE METAL INDUSTRIES INC (CAMDEN)	CAMDEN	20.53	12.53 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	19.00	11.60 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	11.29	6.89 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	6.32	3.86 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	4.27	2.61 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	0.98	0.60 %
CONECTIV - B.L ENGLAND (BEESLEYS POINT)	CAPE MAY	0.90	0.55 %
VINELAND CITY (VINELAND)	CUMBERLAND	0.81	0.49 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	0.31	0.19 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	0.27	0.16 %
CONECTIV - DEEPWATER CT (PENNSVILLE)	SALEM	0.25	0.15 %
PSEG FOSSIL LLC (SEWAREN)	MIDDLESEX	0.21	0.13 %
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	0.17	0.10 %
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	0.04	0.02 %
	Sum of All:	**163.81**	**100.00 %**

Table 96. All Facilities for Dioxins Manufactured in 2004 (grams per year)

FACILITY NAME (CITY)	COUNTY	Manufactured On-Site (grams)	Percentage
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	105.98	63.44 %
STATE METAL INDUSTRIES INC (CAMDEN)	CAMDEN	20.53	12.29 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	19.00	11.37 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	11.30	6.76 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	6.32	3.78 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	0.98	0.59 %
CONECTIV - B.L ENGLAND (BEESLEYS POINT)	CAPE MAY	0.90	0.54 %
VINELAND CITY (VINELAND)	CUMBERLAND	0.81	0.48 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	0.31	0.19 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	0.27	0.16 %
CONECTIV - DEEPWATER CT (PENNSVILLE)	SALEM	0.25	0.15 %
PSEG FOSSIL LLC (SEWAREN)	MIDDLESEX	0.21	0.13 %
PSEG FOSSIL LLC (HAMILTON TWP)	MERCER	0.17	0.10 %
CHAMBERS COGENERATION L. P. (CARNEYS POINT)	SALEM	0.04	0.02 %
	Sum of All:	**167.06**	**100.00 %**

3. Nonproduct Output Data Summary for Dioxins

Dioxins, like other PBTs, are of particular concern due to their ability to bioaccumulate in body tissue and the potential health impacts on humans. People's risk from dioxin may actually be declining, because environmental levels of dioxin are going down. The potential health effects associated with dioxin – as with any chemical – are directly related to the level of exposure: the lower the exposure, the less the likelihood of adverse effects. Increased rates of cancer, possibly from dioxin, have only been seen in workers exposed for many years at levels 100 to 1,000 times higher than the general population. USEPA's decision to classify dioxin as a "known human carcinogen" is based mainly on animal studies and very limited human data. [6] However, government agencies, like the USEPA and NJDEP, that are charged with protection of human health and the environment tend to take a cautious approach where evaluations of toxic and hazardous substances and their potential effects on human health are concerned.

Table 97 presents the on-site releases and off-site transfers of dioxins summarized by county. The three Middlesex County facilities combined reported the largest quantity of on-site releases – all stack air emissions. Camden County's single facility reported the largest quantity of off-site transfers – sent for off-site disposal. Table 98 presents the on-site releases and off-site transfers of dioxins summarized by SIC code. The primary metals industries (SIC 33) reported the largest quantities of both on-site releases and off-site transfers. There was no reported on-site management of dioxins.

Tables 99 through 105 present the nonproduct output details of dioxin reporting for 2004. The tables summarize total nonproduct output, on-site releases, total air emissions, stack air emissions, total off-site transfers, destruction through off-site treatment, and off-site disposal, respectively. One facility reported fugitive emissions – State Metal Industries, Camden, 0.2053 gram. One facility reported surface water discharges – Valero Refining Company, Greenwich Twp, 0.18 gram. One facility reported off-site recycling - United States Pipe and Foundry Co, Burlington, 0.87 gram.

6 http://www.dioxinfacts.org/dioxin_health/dioxin_rumors/facts.html

Table 97. 2004 RPPR On-Site Releases and Off-Site Transfers Data for Dioxins Reported by New Jersey Facilities (ordered alphabetically by county; data reported in grams per year)

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
BURLINGTON	1.2800	0.0000	0.0000	0.0000	0.0000	**1.2800**	0.0000	0.8700	0.0000	0.7600	0.9300	**2.5600**	BURLINGTON
CAMDEN	0.4065	0.2053	0.0000	0.0000	0.0000	**0.6118**	0.0000	0.0000	0.0000	0.0000	19.9193	**19.9193**	CAMDEN
CAPE MAY	0.9030	0.0000	0.0000	0.0000	0.0000	**0.9030**	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0000**	CAPE MAY
CUMBERLAND	0.8100	0.0000	0.0000	0.0000	0.0000	**0.8100**	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0000**	CUMBERLAND
GLOUCESTER	1.1126	0.0000	0.1800	0.0000	0.0000	**1.2926**	0.0000	0.0000	0.0000	3.4960	0.0250	**3.5210**	GLOUCESTER
HUDSON	0.2680	0.0000	0.0000	0.0000	0.0000	**0.2680**	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0000**	HUDSON
MERCER	0.1700	0.0000	0.0000	0.0000	0.0000	**0.1700**	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0000**	MERCER
MIDDLESEX	25.5300	0.0000	0.0000	0.0000	0.0000	**25.5300**	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0000**	MIDDLESEX
SALEM	0.2810	0.0000	0.0000	0.0000	0.0000	**0.2810**	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0000**	SALEM
UNION	0.0012	0.0000	0.0000	0.0000	0.0000	**0.0012**	0.0000	0.0000	0.0000	0.5900	10.7000	**11.2900**	UNION
SUM:	**30.7623**	**0.2053**	**0.1800**	**0.0000**	**0.0000**	31.1476	**0.0000**	**0.8700**	**0.0000**	**4.8460**	**31.5743**	37.2903	

Table 98. 2004 RPPR On-Site Releases and Off-Site Transfers Data for Dioxins Reported by New Jersey Facilities (ordered numerically by SIC Code; data reported in grams per year)

SIC CODE	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	SIC CODE
28	0.0020	0.0000	0.0000	0.0000	0.0000	**0.0020**	0.0000	0.0000	0.0000	3.4960	0.0250	**3.5210**	**28**
29	0.1312	0.0000	0.1800	0.0000	0.0000	**0.3112**	0.0000	0.0000	0.0000	0.5900	10.7000	**11.2900**	**29**
33	27.0065	0.2053	0.0000	0.0000	0.0000	**27.2118**	0.0000	0.8700	0.0000	0.7600	20.8493	**22.4793**	**33**
49	3.6226	0.0000	0.0000	0.0000	0.0000	**3.6226**	0.0000	0.0000	0.0000	0.0000	0.0000	**0.0000**	**49**
SUM:	**30.7623**	**0.2053**	**0.1800**	**0.0000**	**0.0000**	31.1476	**0.0000**	**0.8700**	**0.0000**	**4.8460**	**31.5743**	37.2903	

Table 99. Top 10 Facilities for Nonproduct Output of Dioxins in 2004 (grams per year)

FACILITY NAME (CITY)	COUNTY	NPO (grams)	Percentage
STATE METAL INDUSTRIES INC (CAMDEN)	CAMDEN	20.5289	30.14 %
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	19.0000	27.89 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	11.2912	16.58 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	6.3200	9.28 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	4.2700	6.27 %
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	2.7710	4.07 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	0.9806	1.44 %
CONECTIV (BEESLEYS POINT)	CAPE MAY	0.9030	1.33 %
VINELAND CITY (VINELAND)	CUMBERLAND	0.8100	1.19 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	0.3100	0.46 %
	Sum of Top 10:	**67.1847**	**98.64 %**
	Sum Other:	**0.9290**	**1.36 %**
	Sum All:	**68.1137**	**100.00 %**

Table 100. Top 10 Facilities for Total On-Site Releases of Dioxins in 2004 (grams per year)

FACILITY NAME (CITY)	COUNTY	On-Site Releases (grams)	Percentage
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	19.0000	61.00 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	6.3200	20.29 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	1.2800	4.11 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	0.9806	3.15 %
CONECTIV (BEESLEYS POINT)	CAPE MAY	0.9030	2.90 %
VINELAND CITY (VINELAND)	CUMBERLAND	0.8100	2.60 %
STATE METAL INDUSTRIES INC (CAMDEN)	CAMDEN	0.6118	1.96 %
VALERO REFINING COMPANY NEW JERSEY (GREENWICH TWP)	GLOUCESTER	0.3100	1.00 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	0.2680	0.86 %
CONECTIV - DEEPWATER CT (PENNSVILLE)	SALEM	0.2450	0.79 %
	Sum of Top 10:	**30.7284**	**98.65 %**
	Sum Other:	**0.4192**	**1.35 %**
	Sum All:	**31.1476**	**100.00 %**

Table 101. Top 10 Facilities for Total Air Emissions of Dioxins in 2004 (grams per year)

FACILITY NAME (CITY)	COUNTY	Total Air Emissions (grams)	Percentage
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	19.0000	61.35 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	6.3200	20.41 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	1.2800	4.13 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	0.9806	3.17 %
CONECTIV (BEESLEYS POINT)	CAPE MAY	0.9030	2.92 %
VINELAND CITY (VINELAND)	CUMBERLAND	0.8100	2.62 %
STATE METAL INDUSTRIES INC (CAMDEN)	CAMDEN	0.6118	1.98 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	0.2680	0.87 %
CONECTIV - DEEPWATER CT (PENNSVILLE)	SALEM	0.2450	0.79 %
PSEG FOSSIL LLC (SEWAREN)	MIDDLESEX	0.2100	0.68 %
	Sum of Top 10:	**30.6284**	**98.90 %**
	Sum Other:	**0.3392**	**1.10 %**
	Sum All:	**30.9676**	**100.00 %**

Table 102. Top 10 Facilities for Stack Air Emissions of Dioxins in 2004 (grams per year)

FACILITY NAME (CITY)	COUNTY	Stack Air Emissions (grams)	Percentage
GERDAU AMERISTEEL PERTH AMBOY (PERTH AMBOY)	MIDDLESEX	19.0000	61.76 %
GERDAU AMERISTEEL SAYREVILLE INC (SAYREVILLE)	MIDDLESEX	6.3200	20.54 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	1.2800	4.16 %
LOGAN GENERATING COMPANY, L.P. (LOGAN TWP)	GLOUCESTER	0.9806	3.19 %
CONECTIV (BEESLEYS POINT)	CAPE MAY	0.9030	2.94 %
VINELAND CITY (VINELAND)	CUMBERLAND	0.8100	2.63 %
STATE METAL INDUSTRIES INC (CAMDEN)	CAMDEN	0.4065	1.32 %
PSEG FOSSIL LLC (JERSEY CITY)	HUDSON	0.2680	0.87 %
CONECTIV - DEEPWATER CT (PENNSVILLE)	SALEM	0.2450	0.80 %
PSEG FOSSIL LLC (SEWAREN)	MIDDLESEX	0.2100	0.68 %
Sum of Top 10:		**30.4231**	**98.90 %**
Sum Other:		**0.3392**	**1.10 %**
Sum All:		**30.7623**	**100.00 %**

Table 103. All Facilities for Off-Site Transfers of Dioxins in 2004 (grams per year)

FACILITY NAME (CITY)	COUNTY	Off-Site Transfers (grams)	Percentage
STATE METAL INDUSTRIES INC (CAMDEN)	CAMDEN	19.9193	53.42 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	11.2900	30.28 %
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	3.5210	9.44 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	2.5600	6.87 %
Sum of All:		**37.2903**	**100.00 %**

Table 104. All Facilities for Total Off-Site Treatment of Dioxins in 2004 (grams per year)

FACILITY NAME (CITY)	COUNTY	Off-Site Treatment (grams)	Percentage
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	3.4960	72.14 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	0.7600	15.68 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	0.5900	12.17 %
Sum of All:		**4.8460**	**100.00 %**

Table 105. All Facilities for Off-Site Disposal of Dioxins in 2004 (grams per year)

FACILITY NAME (CITY)	COUNTY	Off-Site Disposal (grams)	Percentage
STATE METAL INDUSTRIES INC (CAMDEN)	CAMDEN	19.9193	63.09 %
CONOCOPHILLIPS COMPANY (LINDEN)	UNION	10.7000	33.89 %
UNITED STATES PIPE AND FOUNDRY CO LCC (BURLINGTON)	BURLINGTON	0.9300	2.95 %
SOLUTIA INC. (BRIDGEPORT)	GLOUCESTER	0.0250	0.08 %
Sum of All:		**31.5743**	**100.00 %**

Glossary of Acronyms and Terms found in this Report

CAS	Chemical Abstracts Service
CDD	Chlorinated dibenzo-para(p)-dioxin
CDF	Chlorinated dibenzofuran
CFR	Code of Federal Regulations (also C.F.R.)
CRTK	Community Right To Know
EHS	Environmental Hazardous Substance pursuant to CRTK
EI	Ending Inventory – a quantity reported on the RPPR (see Appendix C for a definition)
EPCRA	Emergency Planning and Community Right To Know Act of 1986 (also known as Title III of SARA)
eCRTK	electronic Community Right To Know survey – the internet-based version of this report form
eRPPR	electronic Release and Pollution Prevention Report – the internet-based version of this report form
ExHS	Extremely Hazardous Substance pursuant to EPCRA Section 302
Form A	Toxic Chemical Release Inventory Certification Statement
Form R	Toxic Chemical Release Inventory Reporting Form
LEPC	Local Emergency Planning Committee
NAICS	North American Industry Classification System
NJDEP	New Jersey Department of Environmental Protection
NJAC	New Jersey Administrative Code (also N.J.A.C.)
NJEMS	New Jersey Environmental Management System
NJSA	New Jersey Statutes Annotated (also N.J.S.A.)
NPO	Nonproduct Output – the quantity of a reported substance that was generated prior to storage, out-of-process recycling, treatment, control or disposal, and that was not intended for use as a product
OSHA	Occupational Safety and Health Administration
PAC	Polycyclic Aromatic Compound
PBT	Persistent, Bioaccumulative, Toxic Substance
POTW	Publicly Owned Treatment Works
RCRA Subtitle C	Resource Conservation and Recovery Act Subtitle C for the regulation of hazardous waste
RPPR	Release and Pollution Prevention Report
RPPR Section B	Release and Pollution Prevention Report Section B for reporting facility-level, substance specific throughput data, etc. (see Appendix C)
RY	Report Year

(continued)

Glossary (continued)

SARA	Superfund Amendments and Reauthorization Act
SI	Starting Inventory - a quantity reported on the RPPR (see Appendix C for a definition)
SIC	Standard Industrial Classification
TCDD	Tetrachlorodibenzodioxin
Title III	Emergency Planning and Community Right To Know Act of 1986
TPQ	Threshold Planning Quantity
TRI	Toxic Chemical Release Inventory
USC	United States Codes (also U.S.C.)
USE	The quantity of a hazardous substance used at an industrial facility determined by adding the quantity consumed in process, the quantity shipped as (or in) product and NPO (see Appendix C)
USEPA	United States Environmental Protection Agency
W&CRTK	Worker & Community Right To Know

2004 Annual Report Readers' Response

We will continuously attempt to improve the quality of the Report so that readers may acquire accurate information using the Community Right to Know and Release and Pollution Prevention Report data. Feel free to complete the survey below and let us know what you like and do not like about the Report. Plenty of room is left for comments.

1) How did you find out about the Report?_____
_____
2) When did you review the Report? (*date*) _____
_____
3) Which part(s) of the Report did you find useful?_____
_____
4) Which part(s) of the Report did you find not to be useful? _____
_____
5) Was the analysis too detailed, not detailed enough, or just right? _____
_____
6) Would you like to see other analyses that were not presented in this Report? If yes, please provide specifics. _____
_____
7) Were the graphics presented in the Report documented appropriately in writing (i.e. were there charts or tables that you could not understand?) _____
_____
8) Was the material in the appendices useful? _____
_____
9) How often would you like to see updates to this Report?_____
_____
10) Is there an appropriate balance between graphs and tables and written documentation? (If no, please explain.)_____
_____
11) Would you recommend this Report to a colleague?_____
_____
12) Is the information in the Report timely enough? _____
_____
13) Would you like to be on the mailing list for future reports? (provide mailing address)
_____
_____
_____
_____

Please mail to the address and contact below:

NJDEP
Office of Pollution Prevention and Right to Know
P.O. Box 443
Trenton, NJ 08625-0443
attn: Andrew Opperman

Appendix A

CRTK Covered North American Industry Classification System (NAICS) Codes

Subsector Code or Industry Code	Description
11	**Agriculture, Forestry, Fishing and Hunting**
111998	All Other Miscellaneous Crop Farming
113310	Logging
21	**Mining**
211112	Natural Gas Liquid Extraction
212324	Kaolin and Ball Clay Mining
212325	Clay and Ceramic and Refractory Minerals Mining
212393	Other Chemical and Fertilizer Mineral Mining
212399	All Other Nonmetallic Mineral Mining
22	**Utilities**
31-33	**Manufacturing**
42	**Wholesale Trade**
423830	Industrial Machinery and Equipment Merchant Wholesalers
423840	Industrial Supplies Merchant Wholesalers
423850	Service Establishment Equipment and Supplies Merchant Wholesalers
423930	Recyclable Material Merchant Wholesalers
4242	Drugs and Druggists" Sundries Merchant Wholesalers
424310	Piece Goods, Notions and Other Dry Goods Merchant Wholesalers
424340	Footwear Merchant Wholesalers
4246	Chemical and Allied Products Wholesalers
4247	Petroleum and Petroleum Merchant Wholesalers
424810	Beers and Ale Merchant Wholesalers
424820	Wine and Distilled Alcoholic Beverage Merchants Wholesalers
4249	Miscellaneous Nondurable Goods Merchants Wholesalers
425110	Business to Business Electronic Markets
425120	Wholesale Trade Agents and Brokers
44 - 45	**Retail Trade**
441110	New Car Dealers
441120	Used Car Dealers
444220	Nurseries, Garden Centers and Farm Supply at wholesale facilities

445310	Beer, Wine and Liquor at wholesale facilities
446110	Pharmacies and Drug at wholesale facilities
446120	Cosmetics, Beauty Supplies and Perfume at wholesale facilities
446191	Food (Health) Supplement at wholesale facilities
4471	Gasoline Stations
451211	Books at wholesale facilities
453220	Gift, Novelty, and Souvenir at wholesale facilities
453910	Pet and Pet Supplies at wholesale facilities
453991	Tobacco at wholesale facilities
453998	All Other Miscellaneous Store Retailers (Except Tobacco Stores)
454311	Heating Oil Dealers
454312	Liquid Petroleum Gas (Bottled Gas) Dealers
48 - 49	**Transportation and Warehousing**
4811	Scheduled Air Transportation
486	Pipeline Transportation Industry
487110	Scenic and Sightseeing Transportation, Land
488111	Air Traffic Control
488119	Other Airport Operations
488190	Other Support Activities for Air Transportation
488210	Support Activities for Rail Transportation
488390	Other Support Activities for Water Transportation
488490	Other Support Activities for Road Transportation
492110	Couriers
51	**Information**
51111	Newspaper Publishers
51112	Periodical Publishers
51113	Book Publishers
51114	Directory and Mailing List publishers
511191	Greeting Card Publishers
511199	All Other Publishers
512220	Integrated Record Production/ Distribution
512230	Music Publishers
516110	Internet Publishing and Broadcasting
517110	Wired Telecommunication Carriers
517212	Cellular and Other Wireless Telecommunications
517310	Telecommunication Resellers
53	**Real Estate and Rental and Leasing**
532411	Commercial Air, Rail, and Water Transportation Equipment Rental and Leasing
54	**Professional, Scientific and Technical Services**
541380	Testing Laboratories

541614	Process, Physical Distribution, and Logistics Consulting Services
541710	Research and Development in the Physical, Engineering and Life Sciences
541890	Other Services Related to Advertising
541940	Veterinary testing laboratories
56	**Administrative and Support and Waste Management and Remediation Services**
5617	Services to Buildings and Dwellings
56221	Hazardous Waste Treatment and Disposal
562910	Remediation Services
562920	Materials Recovery Facilities
562998	All Other Miscellaneous Waste Management Services
61	**Educational Services**
611110	Elementary and Secondary Schools
611210	Junior Colleges
611310	Colleges, Universities and Professional Schools
611512	Flight Training
611513	Apprenticeship Training
611519	Other Technical and Trade Schools
62	**Health Care and Social Assistance**
622	Hospitals
72	**Accommodation and Food Services**
722310	Food railroad dining car operations
81	**Other Services (Except Public Administration)**
81111	Automotive, Mechanical and Electrical Repair and Maintenance
811121	Automotive Body, Paint and Interior Repair and Maintenance and Glass Repair
811122	Automotive Glass Replacement Shops
811198	All Other Automotive Repair and Maintenance
8113	Commercial and Industrial Machinery and Equipment (Except Automotive and Electronic) Repair and Maintenance
811420	Reupholstery and Furniture Repair
811490	Other Personal and Household Goods Repair and Maintenance
812320	Drycleaning and Laundry Services (Except Coin-operated)
812332	Industrial Launderers

Appendix B

Regulated SIC Codes (RPPR & TRI)

20	FOOD AND KINDRED PRODUCTS
21	TOBACCO PRODUCTS
22	TEXTILE MILL PRODUCTS
23	APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS
24	LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE
25	FURNITURE AND FIXTURES
26	PAPER AND ALLIED PRODUCTS
27	PRINTING, PUBLISHING AND ALLIED INDUSTRIES
28	CHEMICALS AND ALLIED PRODUCTS
29	PETROLEUM REFINING AND RELATED INDUSTRIES
30	RUBBER AND MISCELLANEOUS PLASTIC PRODUCTS
31	LEATHER AND LEATHER PRODUCTS
32	STONE, CLAY, GLASS AND CONCRETE PRODUCTS
33	PRIMARY METAL INDUSTRIES
34	FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND TRANSPORTATION EQUIPMENT
35	INDUSTRIAL AND COMMERCIAL MACHINERY AND COMPUTER EQUIPMENT
36	ELECTRONIC AND OTHER ELECTRICAL EQUIPMENT AND COMPONETS, EXCEPT COMPUTER EQUIPMENT
37	TRANSPORTATION EQUIPMENT

(continued)

38		MEASURING, ANALYZING AND CONTROLLING INSTRUMENTS; PHOTOGRAPHIC, MEDICAL AND OPTICAL GOODS; WATCHES AND CLOCKS
39		MISCELLANEOUS MANUFACTURING INDUSTRIES
49		ELECTRIC, GAS, AND SANITARY SERVICES
	4911	Electric Services (limited to facilities that combust coal and/or oil for the purpose of generating electricity for distribution in commerce)
	4931	Electric and Other Services Combined (limited to facilities that combust coal and/or oil for the purpose of generating electricity for distribution in commerce)
	4939	Combination Utilities, Not Elsewhere Classified (limited to facilities that combust coal and/or oil for the purpose of generating electricity for distribution in commerce)
	4953	Refuse Systems (limited to facilities regulated under the RCRA Subtitle C, 42 U.S.C. section 6921 *et seq.*)
51		WHOLESALE TRADE - NONDURABLE GOODS
	5169	Chemicals & Allied Products, Not Elsewhere Classified
	5171	Petroleum Bulk Stations and Terminals

Appendix C

The Release and Pollution Prevention Report and Materials Accounting Data

This Appendix lists each quantitative data element to be reported on the Release and Pollution Prevention Report (RPPR) form. The central theme of the RPPR is that materials accounting (or chemical throughput) data are compiled and the inputs should balance with the outputs. The specific data elements included in the materials balance are:

The input component includes:

- ✓ the starting inventory of the toxic chemical for the year;
- ✓ the quantity produced on site;
- ✓ the quantity brought on site; and
- ✓ the quantity recycled and reused on site.

The output component includes:

- ✓ the quantity consumed (chemically reacted) in process on site;
- ✓ the quantity shipped off site as (or in) product;
- ✓ the ending inventory; and
- ✓ all nonproduct output.

- starting inventory is the total quantity of the substance already on site as of the beginning of the year;
- starting inventory as NPO [SI (NPO)] is the total quantity of the substance on site at the beginning of the calendar year that was nonproduct output;
- produced is the total quantity of the substance produced on site during the calendar year;
- brought on site is the total quantity of the substance brought into the facility from all off-site suppliers, including other facility locations and divisions of a facility's own company, during the calendar year;
- brought on site as recycled is the total quantity of the substance brought into the facility as recycled substance from all off-site suppliers, including other facility locations and divisions of a facility's own company, during the calendar year;
- consumed is the total quantity of the substance consumed in production processes (chemically reacted and converted) during the calendar year;
- shipped as (or in) product is the total quantity of the substance shipped off the facility site during the calendar year in a form suitable for final use, as intermediates subject to further processing leading to final use, or even shipped in its "raw" form as found in inventory;
- ending inventory is the total quantity of the substance remaining on site at the end of the calendar year;
- ending inventory as NPO [EI (NPO)] is the total quantity of the substance on site at the end of the calendar year that was nonproduct output;
- nonproduct output is the quantity of the reported substance that was generated prior to storage, out-of-process recycling, treatment, control or disposal, and that was not intended for use as a product;

- stack air emissions is the quantity of emissions that were released into the atmosphere from a readily-identifiable point source such as a stack, exhaust vent, duct, pipe, or other confined air stream, and storage tanks;
- fugitive air emissions is the quantity of emissions that were not released through stack, vents, ducts, pipes or any other confined air stream;
- surface water discharges is the quantity of releases to streams, rivers, lakes, oceans, and other bodies of water;
- groundwater discharges is the quantity of releases such as spray irrigation on land, discharges to infiltration basins, and discharges to subsurface systems;
- on-site land releases (at the facility) is the quantity of releases including, but not limited to: 1) surface impoundments, 2) on-site landfills, and 3) land treatment (land spreading), including other activities such as incorporating wastes into soil for treatment;
- recycled and reused on site is the quantity of the substance that was recycled out-of-process on site and then processed or otherwise used again at the facility during the calendar year;
- energy recovery on site is the quantity of the substance that was destroyed through an on-site energy recovery process (industrial boiler, furnace or kiln) and that generated heat or energy for use at that location;
- destroyed through on-site treatment is the quantity of the substance that was destroyed or neutralized through on-site treatment processes;
- transfers to publicly owned treatment works (POTW) is the quantity that was discharged through pipes or ducts into a municipal sewer system or one owned by a municipal utilities authority, sewerage authority, or regional utilities authority; the substance may be treated at the POTW, may evaporate into the atmosphere, or may be collected and subsequently discharged by the POTW into a water body or to another treatment facility;
- off-site recycling is the quantity of the substance that was recovered or regenerated by a variety of recycling methods off site;
- off-site energy recovery is the quantity of the substance that was combusted off-site in industrial boilers, furnaces or kilns and that generated heat or energy for use at that location;
- off-site treatment is the quantity of the substance that was treated through a variety of methods, including biological treatment, neutralization, incineration, and physical separation;
- off-site disposal is the quantity of the substance that was generally either released to the land or injected underground; most disposal occurs at landfills;
- chemical throughput is the total quantity of the substance that was introduced into processes, chemically reacted or converted, blended into mixtures, or generated as a nonproduct output that was released to the environment, managed on site, or sent off site for further management or disposal.

02/05

RELEASE & POLLUTION PREVENTION REPORT FOR 2004

SECTION B. FACILITY-LEVEL SUBSTANCE-SPECIFIC INFORMATION

Submit one complete Section B for each reportable substance (listed in Appendices B and C of the instructions) that was manufactured, processed, or otherwise used in excess of 10,000 pounds or the lower PBT Threshold in 2004.

	1.1 CAS No. (Category No.)
	1.1 RTK Substance No.
1.3 Substance Name (or Category Name)	
1.4 Does this section contain any trade secret (confidential business information) claims for data in questions #5 through #10 (excluding #5.1 and #10.1)? ☐ Yes ☐ No	

2. ACTIVITIES AND USES OF THE SUBSTANCE AT THE FACILITY (Check all that apply.)

2.1	Manufacture the Substance:	a. ☐ Produce b. ☐ Import	If "a. produce" or "b. import" then: c. ☐ For on-site use/ processing d. ☐ For sale/distribution e. ☐ As a byproduct f. ☐ As an impurity
2.2	Process the Substance:	a. ☐ As a reactant b. ☐ As a formulation component c. ☐ As an article component d. ☐ Repackaging e. ☐ As an impurity	
2.3	Otherwise use the Substance:	a. ☐ As a chemical processing aid b. ☐ As a manufacturing aid c. ☐ Ancillary or other use	
3.1	Principal Method of Storage:		
3.2	Frequency of Transfer from Storage: _____ times per _____		
3.3	Methods of Transfer:		

INVENTORY AND THROUGHPUT INFORMATION

	INVENTORY	N/A	Quantity (in pounds*)	Basis of Estimate (circle one)
4.	Maximum Daily Inventory of the Substance			M C E O T
	INPUTS		Quantity	Basis of Estimate
5.	Starting Inventory of the Substance			M C E O T
5.1	Quantity of Starting Inventory that is Nonproduct Output (NPO)			M C E O
6.	Quantity Produced on Site			M C E O T
7.	Quantity Brought on Site			M C E O T
7.1	Quantity of #7 (above) that is Brought on Site as Recycled Substance			M C E O T
	OUTPUTS		Quantity (in pounds*)	Basis of Estimate (circle one)
8.	Quantity Consumed on Site (chemically reacted in process)			M C E O T
9.	Quantity Shipped off Site as (or in) Product			M C E O T
10.	Ending Inventory			M C E O T
10.1	Quantity of Ending Inventory that is Nonproduct Output (NPO)			M C E O
11.	Total Nonproduct Output			
	ON-SITE MANAGEMENT OF NONPRODUCT OUTPUT		Quantity (pounds*)	Basis of Estimate (circle one)
12.	Quantity Recycled Out-of-Process on Site and Used on Site			M C E O
13.	Quantity Destroyed through On-Site Treatment			M C E O
14.	Quantity Destroyed through On-Site Energy Recovery			M C E O

***** If this Section B is for "Dioxin and Dioxin-like Compounds," the unit of measurement is "grams/year" and not "pounds/year."

Substance or Category Name: _____

RELEASE INFORMATION (Substance Specific)		N/A	Quantity (in pounds*)	Basis of Estimate (circle one)
15.	Total Stack or Point Source Air Emissions			M C E O
16.	Total Fugitive of Non-Point Source Air Emissions			M C E O
17.	Total Discharge to Publicly Owned Treatment Works (POTW)			M C E O
18.	Total Discharge to Surface Waters			M C E O
19.	Total Discharge to Groundwater			M C E O

20. On-Site Land Disposal: ☐ N/A

Storage Method	Total Quantity of NPO Disposed that contained the Substance (in pounds)	Quantity of Reported Substance within Disposed NPO (in pounds*)	Basis of Estimate (circle one)	Management Method
1. SM _____	_____	_____	M C E O	D _____
2. SM _____	_____	_____	M C E O	D _____
3. SM _____	_____	_____	M C E O	D _____

21. Transfers to Other Off-Site Locations: ☐ N/A

Receiving Facility Information ID#, Name & Address (street, city, state, zip)	Storage Method	Total Quantity of NPO Transferred that contained the Substance (in pounds)	Quantity of Substance within Transferred NPO (in pounds*)	Basis of Estimate (circle one)	Management Method
1. ID#_____	1. SM ____	_____	_____	M C E O	D _____
	2. SM ____	_____	_____	M C E O	D _____
	3. SM ____	_____	_____	M C E O	D _____
2. ID#_____	1. SM ____	_____	_____	M C E O	D _____
	2. SM ____	_____	_____	M C E O	D _____
	3. SM ____	_____	_____	M C E O	D _____
3. ID#_____	1. SM ____	_____	_____	M C E O	D _____
	2. SM ____	_____	_____	M C E O	D _____
	3. SM ____	_____	_____	M C E O	D _____
4. ID#_____	1. SM ____	_____	_____	M C E O	D _____
	2. SM ____	_____	_____	M C E O	D _____
	3. SM ____	_____	_____	M C E O	D _____
5. ID#_____	1. SM ____	_____	_____	M C E O	D _____
	2. SM ____	_____	_____	M C E O	D _____
	3. SM ____	_____	_____	M C E O	D _____
6. ID#_____	1. SM ____	_____	_____	M C E O	D _____
	2. SM ____	_____	____	M C E O	D _____
	3. SM ____	_____	_____	M C E O	D _____
			____		
			_____		

22.	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds*/year)	

☐ *Check if additional pages containing information for questions 20 or 21 are attached.*

***** If this Section B is for "Dioxin and Dioxin-like Compounds," the unit of measurement is "grams/years" and not "pounds/year."

Substance or Category Name: _____

			Quantity	Units	Product Description
23.	2004 Quantity and Units of Production* Associated with the Reported Substance (list up to 4 on this page – see note below)	1.			
		2.			
		3.			
		4.			

*PRODUCTION: Whenever possible, "UNITS" should be mass or surface area units only, such as pounds of material manufactured or square footage of product involved.

☐ *Check if additional pages containing information for question 23 is attached (list up to six additional units of production).*

24. Has any reduction or elimination of either the use of the reported substance or the generation of the reported substance as nonproduct output (NPO) occurred during 2004 due to discontinuance of operations?

☐ Yes ☐ No If "Yes," fill in below:

	Quantity of Substance Reduced (in pounds*) (2003 to 2004)	Basis of Estimate
Quantity of substance reduced (2000 to 2001) due to the discontinuance of operations, Including operations transferred to or undertaken by another facility		M C E O

Pollution Prevention Activities

For the purposes of this question and Sections C and D and the P2-1.5 of this Report, pollution prevention means: the reduction or elimination of either the use of the reported substance or the generation of the reported substance as nonproduct output, prior to treatment, storage, out-of-process recycling, or disposal. Pollution prevention is not any type of treatment, out-of-process recycling, incineration, or the transfer of releases to different media.

25. Has any material-related change (change in the amount of the reported substance used due to substitution of a non-listed substance) been employed to reduce the quantity of this reported substance during 2004 relative to 2003 levels?

☐ Yes ☐ No If "Yes," fill in the table below:

POLLUTION PREVENTION METHODOLOGY	Quantity of Substance Reduced (in pounds*) (2003 to 2004)	Basis of Estimate
Material-Related Change (change in the amount of the substance used due to substitution of other non-listed substance)		M C E O

CAS Number, Substance Name and Quantity of Substitute Substance

CAS NUMBER	SUBSTANCE NAME	QUANTITY (pounds)
a) _____	_____	_____
b) _____	_____	_____
c) _____	_____	_____

- If this Section B is for "Dioxin and Dioxin-like Compounds," the unit of measurement is "grams/year" and not "pounds/year."

Appendix D

List of Carcinogens reported on the 2004 RPPR

CAS Number	SUSBSTANCE NAME
106-88-7	1,2-BUTYLENE OXIDE
107-06-2	1,2-DICHLOROETHANE
78-87-5	1,2-DICHLOROPROPANE
106-99-0	1,3-BUTADIENE
106-46-7	1,4-DICHLOROBENZENE
88-06-2	2,4,6-TRICHLOROPHENOL
612-83-9	3,3-DICHLOROBENZIDINE DIHYDROCHLORIDE
101-14-4	4,4-METHYLENEBIS(2-CHLOROANILINE)
75-07-0	ACETALDEHYDE
79-06-1	ACRYLAMIDE
107-13-1	ACRYLONITRILE
62-53-3	ANILINE (AND SALTS)
N020	ARSENIC COMPOUNDS
71-43-2	BENZENE
191-24-2	BENZO(G,H,I)PERYLENE
98-07-7	BENZOIC TRICHLORIDE
100-44-7	BENZYL CHLORIDE
7440-43-9	CADMIUM
N078	CADMIUM COMPOUNDS
56-23-5	CARBON TETRACHLORIDE
120-80-9	CATECHOL
57-74-9	CHLORDANE
67-66-3	CHLOROFORM
74-87-3	CHLOROMETHANE
1897-45-6	CHLOROTHALONIL
7440-47-3	CHROMIUM
N090	CHROMIUM COMPOUNDS
7440-48-4	COBALT
N096	COBALT COMPOUNDS
8001-58-9	CREOSOTE
117-81-7	DI(2-ETHYLHEXYL) PHTHALATE [DEHP]
25376-45-8	DIAMINOTOLUENE (MIXED ISOMERS)
25321-22-6	DICHLOROBENZENE (MIXED ISOMERS)

CAS Number	SUSBSTANCE NAME
75-09-2	DICHLOROMETHANE
64-67-5	DIETHYL SULFATE
101-90-6	DIGLYCIDYL RESORCINOL ETHER
77-78-1	DIMETHYL SULFATE
106-89-8	EPICHLOROHYDRIN
140-88-5	ETHYL ACRYLATE
100-41-4	ETHYLBENZENE
75-21-8	ETHYLENE OXIDE
50-00-0	FORMALDEHYDE
76-44-8	HEPTACHLOR
118-74-1	HEXACHLOROBENZENE
67-72-1	HEXACHLOROETHANE
302-01-2	HYDRAZINE
7439-92-1	LEAD
N420	LEAD COMPOUNDS
1634-04-4	METHYL TERT-BUTYL ETHER
91-20-3	NAPHTHALENE
7440-02-0	NICKEL
N495	NICKEL COMPOUNDS
98-95-3	NITROBENZENE
90-04-0	O-ANISIDINE
N583	POLYCHLORINATED ALKANES
1336-36-3	POLYCHLORINATED BIPHENYLS (PCBS)
N590	POLYCYCLIC AROMATIC COMPOUNDS
75-55-8	PROPYLENEIMINE
75-56-9	PROPYLENE OXIDE
132-27-4	SODIUM O-PHENYLPHENOXIDE
100-42-5	STYRENE
127-18-4	TETRACHLOROETHYLENE [PERCHLOROETHYLENE]
584-84-9	TOLUENE-2,4-DIISOCYANATE
26471-62-5	TOLUENE DIISOCYANATE (MIXED ISOMERS)
79-01-6	TRICHLOROETHYLENE
51-79-6	URETHANE
108-05-4	VINYL ACETATE
75-01-4	VINYL CHLORIDE

Appendix E

List of PBT Chemicals

Persistent, Bioaccumulative, and Toxic Chemicals covered by the USEPA October 29, 1999 PBT Rule and the January 17, 2001 Lead Rule and reportable on the Toxic Chemical Release Inventory (TRI) Form R and NJ Release and Pollution Prevention Report (RPPR)

Chemical Name or Chemical Category	*CAS Number (Group #)*	*Section 313 Reporting Threshold (in pounds unless noted otherwise)*
Aldrin	309-00-2	100
Benzo(g,h,i)perylene	191-24-2	10
Chlordane	57-74-9	10
Dioxin and dioxin-like compounds category[1, 3]	N150	0.1 gram
Heptachlor	76-44-8	10
Hexachlorobenzene	118-74-1	10
Isodrin	465-73-6	10
Lead [2]	7439-92-1	100
Lead compounds category [2]	N420	100
Mercury	7439-97-6	10
Mercury compounds	N458	10
Methoxychlor	72-43-5	100
Octachlorostyrene	29082-74-4	10
Pendimethalin	40487-42-1	100
Pentachlorobenzene	608-93-5	10
Polychorinated biphenyls (PCBs)	1336-36-3	10
Polycyclic aromatic compounds category [3,4]	N590	100
Tetrabromobisphenol A	79-94-7	100
Toxaphene	8001-35-2	10
Trifluralin	1582-09-8	100

1. Qualifier: "manufacturing; and the processing or otherwise use of dioxin and dioxin-like compounds if the dioxin and dioxin-like compounds are present as contaminants in a chemical and if they were created during the manufacturing of that chemical."
2. The lower reporting thresholds apply to lead and all lead compounds, except for lead contained in stainless steel, brass, and bronze alloys. For the federal TRI, lead contained in stainless steel, brass, and bronze alloys remains reportable under the 25,000-pound manufacture and process reporting threshold and the 10,000-pound otherwise use reporting threshold. For the state RPPR, lead contained in stainless steel, brass, and bronze alloys remains reportable under the 10,000-pound manufacture, process and otherwise use reporting threshold.
3. See *Appendix C of the RPPR instructions* for the specific substances reportable under this category.
4. Two chemicals, benzo(j,k)fluorene (206-44-0) and 3-methylcholanthrene (56-49-5), were added to this category effective RY 2000.

Appendix F

Members of the Dioxin and Dioxin-like Compounds Category[7]

CAS Number	Chemical Name	Abbreviated Name
CDDs		
1746-01-6	2,3,7,8- tretachlorodibenzo-p-dioxin	2,3,7,8-TCDD
40321-76-4	1,2,3,7,8-pentachlorodibenzo-p-dioxin	1,2,3,7,8-PeCDD
39227-28-6	1,2,3,4,7,8-hexachlorodibenzo-p-dioxin	1,2,3,4,7,8-HxCDD
57653-85-7	1,2,3,6,7,8-hexachlorodibenzo-p-dioxin	1,2,3,6,7,8- HxCDD
19408-74-3	1,2,3,7,8,9-hexachlorodibenzo-p-dioxin	1,2,3,7,8,9- HxCDD
35822-46-9	1,2,3,4,6,7,8-heptachlorodibenzo-p-dioxin	1,2,3,4,6,7,8- HpCDD
3268-87-9	1,2,3,4,6,7,8,9-octachlorodibenzo-p-dioxin	1,2,3,4,6,7,8,9-OCDD
CDFs		
51207-31-9	2,3,7,8- tretachlorodibenzofuran	2,3,7,8-TCDF
57117-41-6	1,2,3,7,8-pentachlorodibenzofuran	1,2,3,7,8-PeCDF
57117-31-4	2,3,4,7,8-pentachlorodibenzofuran	2,3,4,7,8-PeCDF
70648-26-9	1,2,3,4,7,8-hexachlorodibenzofuran	1,2,3,4,7,8-HxCDF
57117-44-9	1,2,3,6,7,8-hexachlorodibenzofuran	1,2,3,6,7,8- HxCDF
72918-21-9	1,2,3,7,8,9-hexachlorodibenzofuran	1,2,3,7,8,9- HxCDF
60851-34-5	2,3,4,6,7,8-hexachlorodibenzofuran	2,3,4,6,7,8- HxCDF
67562-39-4	1,2,3,4,6,7,8-heptachlorodibenzofuran	1,2,3,4,6,7,8- HpCDF
55673-89-7	1,2,3,4,7,8,9-heptachlorodibenzofuran	1,2,3,4,7,8,9- HpCDF
39001-02-0	1,2,3,4,6,7,8,9-octachlorodibenzofuran	1,2,3,4,6,7,8,9-OCDF

7 Reportable pursuant to the requirements of the federal Toxic Chemical Release Inventory (TRI) and the NJ Release and Pollution Prevention Report (RPPR)